



**Steven L. Beshear**  
Governor

**ENVIRONMENTAL AND PUBLIC PROTECTION CABINET**

**Robert D. Vance**  
Secretary

**DEPARTMENT FOR ENVIRONMENTAL PROTECTION**  
DIVISION OF WATER  
14 REILLY ROAD  
FRANKFORT, KENTUCKY 40601  
PHONE (502) 564-3410  
FAX (502) 564-5105  
www.kentucky.gov

March 14, 2008

Mr. Wilson  
Manalapan Mining Co Inc - Alva Prep Plant  
P.O. Box 311  
Brookside, KY 40801

Re: KPDES Application Complete  
KPDES No.: KY0024252  
Manalapan Mining Co Inc - Alva Prep Plant  
AI ID: 14758  
Activity ID: APE20080001  
Harlan County, Kentucky

Dear Mr. Wilson

Your revised Kentucky Pollutant Discharge Elimination System (KPDES) permit application for the above-referenced facility was received by the Division of Water on January 31, 2008. A completeness review of your permit application has been conducted. Please be aware that you may be asked to provide additional information to clarify, modify, or supplement your application material. In accordance with 401 KAR 5:075, Section 1(7) you are being provided written notification that your application has been deemed complete as of the date of this letter.

If you have any questions concerning this matter, please call me at (502) 564-8158, extension 652.

Sincerely,

**Allen Ingram II**  
Environmental Engineer Assistant I  
KPDES Branch  
Division of Water

ALI  
Enclosures  
c: London Regional Office  
Division of Water Files

**MANALAPAN MINING COMPANY, INC.**

PO BOX 311, BROOKSIDE, KY 40801

Phone (606) 573-1211

Fax (606) 837-3773

January 28, 2008

Ms. Vickie L. Prather, Acting Supervisor  
Inventory and Data Management Section  
KPDES Branch  
Division of Water  
14 Reilly Road  
Frankfort, Kentucky 40601

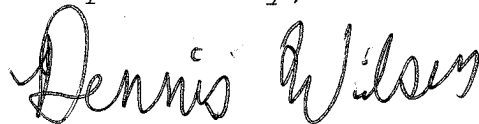
RE: KPDES Permit  
No.: KY0024252

Dear Ms. Prather:

Enclosed is a "Renewal" for the above referenced  
KPDES permit (With Fee). This is a renewal only and no  
changes are proposed from the original permit.

Please contact me at (606) 573-1211 ext. 29 if you  
have any questions concerning this renewal.

Respectfully,



Dennis Wilson

Manalapan Mining Company, Inc.



STEVEN L. BESHEAR  
GOVERNOR

**ENVIRONMENTAL AND PUBLIC PROTECTION CABINET**

DEPARTMENT FOR ENVIRONMENTAL PROTECTION

DIVISION OF WATER

14 REILLY ROAD

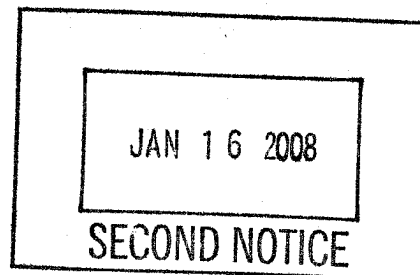
FRANKFORT, KENTUCKY 40601

[www.kentucky.gov](http://www.kentucky.gov)

ROBERT D. VANCE  
SECRETARY

December 27, 2007

Mr. Duane H. Bennett  
Manalapan Mining Company, Incorporated  
P.O. Box 311  
Brookside, Kentucky 40801



RE: KPDES No. KY0024252  
Manalapan Mining Company, Incorporated  
Harlan County, Kentucky

Dear Mr. Bennett:

Our records indicate that your Kentucky Pollutant Discharge Elimination System (KPDES) permit is due to expire on July 31, 2008. According to the KPDES Regulation 401 KAR 5:060, "any person with a currently effective permit shall submit a new application at least 180 days before the expiration of the existing permit..." **The due date for your permit renewal application is January 31, 2008.**

Please complete the enclosed application forms and return to the KPDES Branch, Division of Water, at the above address by the indicated due date. Applications received after the due date are in violation of 401 KAR 5:060, Section 1, which could result in enforcement action being taken.

If you have any questions regarding the completion of these forms, please contact me at (502) 564-8158, extension 470, or Ann Workman at extension 528.

Sincerely,

**Vickie L. Prather, Acting Supervisor**  
Inventory and Data Management Section  
KPDES Branch  
Division of Water

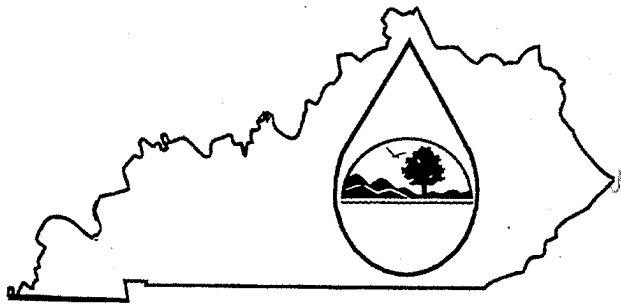
VLP:ASW:asw

Enclosures

C: London Regional Office  
Division of Water Files

# KPDES FORM 1

AI: 14758



## KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM

### PERMIT APPLICATION

This is an application to: (check one)

- ☐ Apply for a new permit.  
☒ Apply for reissuance of expiring permit.  
☐ Apply for a construction permit.  
☐ Modify an existing permit.

Give reason for modification under Item II.A.

A complete application consists of this form and one of the following:

Form A, Form B, Form C, Form F, or Short Form C

For additional information contact:

KPDES Branch (502) 564-3410

\$240.00

<b>I. FACILITY LOCATION AND CONTACT INFORMATION</b>		AGENCY USE		0024252	
A. Name of business, municipality, company, etc. requesting permit Manalapan Mining Company, Inc.					
B. Facility Name and Location			C. Facility Owner/Mailing Address		
Facility Location Name: Manalapan Mining Company, Inc.			Owner Name: Manalapan Mining Company, Inc.		
Facility Location Address (i.e. street, road, etc.): HC 61 (Kentucky HWY 72 at Pathfork)			Mailing Street: P.O. Box 311		
Facility Location City, State, Zip Code: Pathfork, KY 40863			Mailing City, State, Zip Code: Brookside, KY 40801		
			Telephone Number:		

### II. FACILITY DESCRIPTION

A. Provide a brief description of activities, products, etc:

This facility is a coal preparation plant and associated facilities.  
Such as Refuse areas and unit train loadout.

B. Standard Industrial Classification (SIC) Code and Description

Principal SIC Code & Description:	1211 Coal Preparation Plant
-----------------------------------	-----------------------------

Other SIC Codes:

### III. FACILITY LOCATION

A. Attach a U.S. Geological Survey 7 1/2 minute quadrangle map for the site. (See instructions)

B. County where facility is located:  
Harlan

City where facility is located (if applicable):  
N/A

C. Body of water receiving discharge:

Puckett Creek of the Pathfork of the Cumberland River

D. Facility Site Latitude (degrees, minutes, seconds):  
36-44-13

Facility Site Longitude (degrees, minutes, seconds):  
83-25-54

E. Method used to obtain latitude & longitude (see instructions):

Topo Map

F. Facility Dun and Bradstreet Number (DUNS #) (if applicable):

N/A

<b>IV. OWNER/OPERATOR INFORMATION</b>	
A. Type of Ownership: <input type="checkbox"/> Publicly Owned <input checked="" type="checkbox"/> Privately Owned <input type="checkbox"/> State Owned <input type="checkbox"/> Both Public and Private Owned <input type="checkbox"/> Federally owned	
B. Operator Contact Information (See instructions)	
Name of Treatment Plant Operator: Earl Goins	Telephone Number: 606-664-3861
Operator Mailing Address (Street): HC 61 KY HWY 72 at Pathforl	
Operator Mailing Address (City, State, Zip Code): Pathfork, Kentucky 40863	
Is the operator also the owner? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the operator certified? If yes, list certification class and number below. Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Certification Class: N/A Prep. Plant Only	Certification Number:

<b>V. EXISTING ENVIRONMENTAL PERMITS</b>		
Current NPDES Number: KY0024252	Issue Date of Current Permit: 12/01/04	Expiration Date of Current Permit: 7/31/08
Number of Times Permit Reissued: 4	Date of Original Permit Issuance: 10/24/84	Sludge Disposal Permit Number: N/A
Kentucky DOW Operational Permit #: N/A	Kentucky DSMRE Permit Number(s): 848-8045	

C. Which of the following additional environmental permit/registration categories will also apply to this facility?

CATEGORY	EXISTING PERMIT WITH NO.	PERMIT NEEDED WITH PLANNED APPLICATION DATE
Air Emission Source	S-01-007	
Solid or Special Waste	N/A	
Hazardous Waste - Registration or Permit	n/A	

<b>VI. DISCHARGE MONITORING REPORTS (DMRs)</b>
--

KPDES permit holders are required to submit DMRs to the Division of Water on a regular schedule (as defined by the KPDES permit). The information in this section serves to specifically identify the department, office or individual you designate as responsible for submitting DMR forms to the Division of Water.

A. Name of department, office or official submitting DMRs:		MANALAPAN MINING COMPANY, INC.
B. Address where DMR forms are to be sent. (Complete only if address is different from mailing address in Section I.)		
DMR Mailing Name:	MANALAPAN MINING COMPANY, INC.	
DMR Mailing Street:	PO BOX 311	
DMR Mailing City, State, Zip Code:	BROOKSIDE, KENTUCKY 40801	
DMR Official Telephone Number:	606-573-1211	

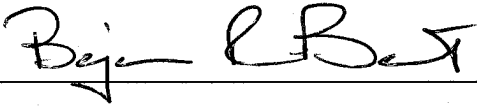
## VII. APPLICATION FILING FEE

KPDES regulations require that a permit applicant pay an application filing fee equal to twenty percent of the permit base fee. Please examine the base and filing fees listed below and in the Form 1 instructions and enclose a check payable to "Kentucky State Treasurer" for the appropriate amount. Descriptions of the base fee amounts are given in the "General Instructions."

Facility Fee Category:	Filing Fee Enclosed:
Surface Mining Operation	240.00

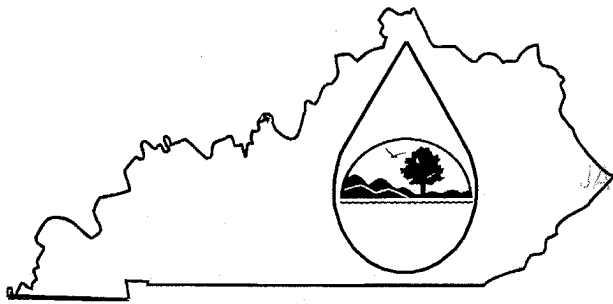
## VIII. CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME AND OFFICIAL TITLE (type or print):	TELEPHONE NUMBER (area code and number):
Benjamin R. Bennett, President	606-573-1211
SIGNATURE	DATE:
	1-29-08

# KPDES FORM C

## KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM



### PERMIT APPLICATION

A complete application consists of this form and Form I.  
For additional information, contact KPDES Branch, (502) 564-3410.

Name of Facility: Manalapan Mining Company, Inc	County: Harlan						
<b>I. OUTFALL LOCATION</b>	AGENCY USE						

For each outfall list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

Outfall No. (list)	LATITUDE			LONGITUDE			RECEIVING WATER (name)
	Degrees	Minutes	Seconds	Degrees	Minutes	Seconds	
1	36	43	48	83	25	12	Puckett Creek
7	36	44	28	83	25	20	Puckett Creek
242	36	43	39	83	24	59	Puckett Creek

### II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

- A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfall. If a water balance cannot be determined (e.g., for certain mining activities), provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures.
- B. For each outfall, provide a description of: (1) all operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff; (2) the average flow contributed by each operation; and (3) the treatment received by the wastewater. Continue on additional sheets if necessary.

OUTFALL NO. (list)	OPERATION(S) CONTRIBUTING FLOW		TREATMENT	
	Operation (list)	Avg/Design Flow (include units)	Description	List Codes from Table C-1
1	Preparation Plant	100	Sedimentation Pond	1-U
7	Unit Train Loadout	20	Sedimentation Pond	1-U
242	Slurry Impoundment	300	Sedimentation Pond	1-U

**II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES (Continued)**

C. Except for storm water runoff, leaks, or spills, are any of the discharges described in Items II-A or B intermittent or seasonal?

☐ Yes (Complete the following table.)

☒ No (Go to Section III.)

OUTFALL NUMBER	OPERATIONS CONTRIBUTING FLOW	FREQUENCY		FLOW				
		Days Per Week	Months Per Year	Flow Rate (in mgd)		Total volume (specify with units)		Duration (in days)
				Long-Term Average	Maximum Daily	Long-Term Average	Maximum Daily	
(list)	(list)	(specify average)	(specify average)					

**III. MAXIMUM PRODUCTION**

A. Does an effluent guideline limitation promulgated by EPA under Section 304 of the Clean Water Act apply to your facility?

☒ Yes (Complete Item III-B) List effluent guideline category:

☐ No (Go to Section IV)

B. Are the limitations in the applicable effluent guideline expressed in terms of production (or other measures of operation)?

☐ Yes (Complete Item III-C)

☒ No (Go to Section IV)

C. If you answered "Yes" to Item III-B, list the quantity which represents the actual measurement of your maximum level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.

MAXIMUM QUANTITY			Affected Outfalls (list outfall numbers)
Quantity Per Day	Units of Measure	Operation, Product, Material, Etc. (specify)	

**IV. IMPROVEMENTS**

A. Are you now required by any federal, state or local authority to meet any implementation schedule for the construction, upgrading, or operation of wastewater equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders and grant or loan conditions.

☐ Yes (Complete the following table)

☒ No (Go to Item IV-B)

IDENTIFICATION OF CONDITION AGREEMENT, ETC.	AFFECTED OUTFALLS		BRIEF DESCRIPTION OF PROJECT	FINAL COMPLIANCE DATE	
	No.	Source of Discharge		Required	Projected

B. OPTIONAL: You may attach additional sheets describing any additional water pollution control programs (or other environmental projects which may affect your discharges) you now have under way or which you plan. Indicate whether each program is now under way or planned, and indicate your actual or planned schedules for construction.

## V. INTAKE AND EFFLUENT CHARACTERISTICS

A, B, & C: See instructions before proceeding – Complete one set of tables for each outfall – Annotate the outfall number in the space provided.

NOTE: Tables V-A, V-B, and V-C are included on separate sheets numbered 5-18.

D. Use the space below to list any of the pollutants (refer to SARA Title III, Section 313) listed in Table C-3 of the instructions, which you know or have reason to believe is discharged or may be discharged from any outfall. For every pollutant you list, briefly describe the reasons you believe it to be present and report any analytical data in your possession.

POLLUTANT	SOURCE	POLLUTANT	SOURCE

## VI. POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS

A. Is any pollutant listed in Item V-C a substance or a component of a substance which you use or produce, or expect to use or produce over the next 5 years as an immediate or final product or byproduct?

☐

Yes (List all such pollutants below)

☒

No (Go to Item VI-B)

--

B. Are your operations such that your raw materials, processes, or products can reasonably be expected to vary so that your discharge of pollutants may during the next 5 years exceed two times the maximum values reported in Item V?

☐

Yes (Complete Item VI-C)

☒

No (Go to Item VII)

C. If you answered "Yes" to Item VI-B, explain below and describe in detail to the best of your ability at this time the sources and expected levels of such pollutants which you anticipate will be discharged from each outfall over the next 5 years. Continue on additional sheets if you need more space.

--

**VII. BIOLOGICAL TOXICITY TESTING DATA**

Do you have any knowledge of or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

☐ Yes (Identify the test(s) and describe their purposes below)

☒ No (Go to Section VIII)

**VIII. CONTRACT ANALYSIS INFORMATION**

Were any of the analyses reported in Item V performed by a contract laboratory or consulting firm?

☐ Yes (list the name, address, and telephone number of, and pollutants analyzed by each such laboratory or firm below)

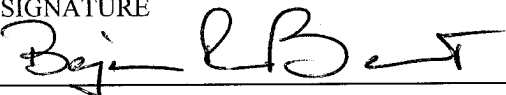
☐ No (Go to

Section IX)

NAME	ADDRESS	TELEPHONE (Area code & number)	POLLUTANTS ANALYZED (list)

**IX. CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME AND OFFICIAL TITLE (type or print): Benjamin R. Bennett, President	TELEPHONE NUMBER (area code and number): (606) 573 - 1211
SIGNATURE 	DATE 2-29-08

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. (See instructions)

V. INTAKE AND EFFLUENT CHARACTERISTICS (Continued from page 3 of Form C)										OUTFALL NO. 1		
Part A – You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.												
1. POLLUTANT	2. EFFLUENT						3. UNITS (specify if blank)		4. INTAKE (optional)			
	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No of Analyses
	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
a. Biochemical Oxygen Demand (BOD)												
b. Chemical Oxygen Demand (COD)												
c. Total Organic Carbon (TOC)												
d. Total Suspended Solids (TSS)	0	0	N/A	N/A	N/A	N/A	3	PPM	LBS/MG			
e. Ammonia (as N)												
f. Flow (in units of MGD)	VALUE 0.004		VALUE		VALUE			MGD		VALUE		
g. Temperature (winter)	VALUE 34 ° F		VALUE		VALUE			°c		VALUE		
h. Temperature (summer)	VALUE 73 ° F		VALUE		VALUE			°c		VALUE		
i. pH	MINIMUM 7.8	MAXIMUM 8.3	MINIMUM	MAXIMUM				STANDARD UNITS				

Part B - In the MARK "X" column, place an "X" in the Believed Present column for each pollutant you know or have reason to believe is present. Place an "X" in the Believed Absent column for each pollutant you believe to be absent. If you mark the Believed Present column for any pollutant, you must provide the results of at least one analysis for that pollutant. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO.  (if available)	2. MARK "X"		3. EFFLUENT							4. UNITS		6. INTAKE (optional)		
	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
			(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
a. Bromide (24959-67-9)		X												
b. Bromine Total Residual		X												
c. Chloride		X												
d. Chlorine, Total Residual		X												
e. Color		X												
f. Fecal Coliform		X												
g. Fluoride (16984-48-8)		X												
h. Hardness (as CaCO <sub>3</sub> )	X		140	1169						PPM	#/MG			
i. Nitrate -- Nitrite (as N)		X												
j. Nitrogen, Total Organic (as N)		X												
k. Oil and Grease		X												
l. Phosphorous (as P), Total 7723-14-0		X												
m. Radioactivity														
(1) Alpha, Total		X												
(2) Beta, Total		X												
(3) Radium Total		X												
(4) Radium, 226, Total		X												

Part B - Continued

Part B - Continued														
1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"		3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No. of Analyses
			(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
			Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	
n. Sulfate (as SO <sub>4</sub> ) (14808-79-8)	X		224	1870						PPM	#/MG			
o. Sulfide (as S)		X												
p. Sulfite (as SO <sub>3</sub> ) (14286-46-3)		X												
q. Surfactants		X												
r. Aluminum, Total (7429-90)		X												
s. Barium, Total (7440-39-3)		X												
t. Boron, Total (7440-42-8)		X												
u. Cobalt, Total (7440-48-4)		X												
v. Iron, Total (7439-89-6)	X		0.26	2.17						PPM	#/MG			
w. Magnesium Total (7439-96-4)		X												
x. Molybdenum Total (7439-98-7)		X												
y. Manganese, Total (7439-96-6)	X		0.20	1.67						PPM	#/MG			
z. Tin, Total (7440-31-5)		X												
aa. Titanium, Total (7440-32-6)		X												

**Part C** – If you are a primary industry and this outfall contains process wastewater, refer to Table C-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark “X” in the **Testing Required** column for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark this column (secondary industries, nonprocess wastewater outfalls, and non-required GC/MS fractions), mark “X” in the **Believed Present** column for each pollutant you know or have reason to believe is present. Mark “X” in the **Believed Absent** column for each pollutant you believe to be absent. If you mark either the **Testing Required** or **Believed Present** columns for any pollutant, you must provide the result of at least one analysis for that pollutant. Note that there are seven pages to this part; please review each carefully. Complete one table (all seven pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)			
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses		
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)			
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass			
METALS, CYANIDE AND TOTAL PHENOLS																	
1M. Antimony Total (7440-36-0)			X														
2M. Arsenic, Total (7440-38-2)			X														
3M. Beryllium Total (7440-41-7)			X														
4M. Cadmium Total (7440-43-9)			X														
5M. Chromium Total (7440-43-9)			X														
6M. Copper Total (7550-50-8)			X														
7M. Lead Total (7439-92-1)			X														
8M. Mercury Total (7439-97-6)			X														
9M. Nickel, Total (7440-02-0)			X														
10M. Selenium, Total (7782-49-2)			X														
11M. Silver, Total (7440-28-0)			X														

1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)			
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses		
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)			
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass			
METALS, CYANIDE AND TOTAL PHENOLS (Continued)																	
12M. Thallium, Total (7440-28-0)			X														
13M. Zinc, Total (7440-66-6)			X														
14M. Cyanide, Total (57-12-5)			X														
15M. Phenols, Total			X														
DIOXIN																	
2,3,7,8 Tetra- chlorodibenzo, P, Dioxin (1784-01-6)			X	DESCRIBE RESULTS:													
GC/MS FRACTION – VOLATILE COMPOUNDS																	
1V. Acrolein (107-02-8)			X														
2V. Acrylonitrile (107-13-1)			X														
3V. Benzene (71-43-2)			X														
5V. Bromoform (75-25-2)			X														
6V. Carbon Tetrachloride (56-23-5)			X														
7V. Chloro- benzene (108-90-7)			X														
8V. Chlorodibro- momethane (124-48-1)			X														

## Part C -- Continued

Part C – Continued															
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	
9V. Chloroethane (74-00-3)			X												
10V. 2-Chloro- ethylvinyl Ether (110-75-8)			X												
11V. Chloroform (67-66-3)			X												
12V. Dichloro- bromomethane (75-71-8)			X												
14V. 1,1- Dichloroethane (75-34-3)			X												
15V. 1,2- Dichloroethane (107-06-2)			X												
16V. 1,1- Dichlorethylene (75-35-4)			X												
17V. 1,2-Di- chloropropane (78-87-5)			X												
18V. 1,3- Dichloropro- pylene (452-75-6)			X												
19V. Ethyl- benzene (100-41-4)			X												
20V. Methyl Bromide (74-83-9)			X												

Part C – Continued

Part C – Continued															
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No. of Analyses
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	
21V. Methyl Chloride (74-87-3)			X												
22V. Methylene Chloride (75-00-2)			X												
23V. 1,1,2,2- Tetrachloro- ethane (79-34-5)			X												
24V. Tetrachloro- ethylene (127-18-4)			X												
25V. Toluene (108-88-3)			X												
26V. 1,2-Trans- Dichloro- ethylene (156-60-5)			X												
27V. 1,1,1-Trichloroethane (71-55-6)			X												
28V. 1,1,2-Trichloroethane (79-00-5)			X												
29V. Trichloro- ethylene (79-01-6)			X												
30V. Vinyl Chloride (75-01-4)			X												

Part C – Continued																
1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses	
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass		
GC/MS FRACTION – ACID COMPOUNDS																
1A. 2-Chloro-phenol (95-57-8)			X													
2A. 2,4-Dichloro-phenol (120-83-2)			X													
3A. 2,4-Dimethylphenol (105-67-9)			X													
4A. 4,6-Dinitro-o-cresol (534-52-1)			X													
5A. 2,4-Dinitro-phenol (51-28-5)			X													
6A. 2-Nitro-phenol (88-75-5)			X													
7A. 4-Nitro-phenol (100-02-7)			X													
8A. P-chloro-m-cresol (59-50-7)			X													
9A. Pentachloro-phenol (87-88-5)			X													
10A. Phenol (108-05-2)			X													
11A. 2,4,6-Tri-chlorophenol (88-06-2)			X													
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS																
1B. Acenaphthene (83-32-9)			X													

Part C – Continued

TABLE 1 - Continued															
1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)															
2B. Acena- phtylene (208-96-8)			X												
3B. Anthra- cene (120-12-7)			X												
4B. Benzidine (92-87-5)			X												
5B. Benzo(a)- anthracene (56-55-3)			X												
6B. Benzo(a)- pyrene (50-32-8)			X												
7B. 3,4-Benzo- fluoranthene (205-99-2)			X												
8B. Benzo(ghi) perylene (191-24-2)			X												
9B. Benzo(k)- fluoranthene (207-08-9)			X												
10B. Bis(2- chlor- oethoxy)- methane (111-91-1)			X												
11B. Bis (2-chlor- oisopropyl)- Ether			X												
12B. Bis (2-ethyl- hexyl)- phthalate (117-81-7)			X												

Part C -- Continued

Part C -- Continued																
1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses	
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)		
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass		
GC/MS FRACTION -- BASE/NEUTRAL COMPOUNDS (Continued)																
13B. 4-Bromo-phenyl Phenyl ether (101-55-3)			X													
14B. Butyl-benzyl phthalate (85-68-7)			X													
15B. 2-Chloro-naphthalene (7005-72-3)			X													
16B. 4-Chloro-phenyl phenyl ether (7005-72-3)			X													
17B. Chrysene (218-01-9)			X													
18B. Dibenzo-(a,h) Anthracene (53-70-3)			X													
19B. 1,2-Dichloro-benzene (95-50-1)			X													
20B. 1,3-Dichloro-Benzene (541-73-1)			X													
21B. 1,4-Dichloro-benzene (106-46-7)			X													
22B. 3,3-Dichloro-benzidene (91-94-1)			X													
23B. Diethyl Phthalate (84-66-2)			X													

Part C – Continued															
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No. of Analyses
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)															
24B. Dimethyl Phthalate (131-11-3)			X												
25B. Di-N-butyl Phthalate (84-74-2)			X												
26B. 2,4-Dinitro- toluene (121-14-2)			X												
27B. 2,6-Dinitro- toluene (606-20-2)			X												
28B. Di-n-octyl Phthalate (117-84-0)			X												
29B. 1,2- diphenyl- hydrazine (as azonbenzene) (122-66-7)			X												
30B. Fluoranthene (208-44-0)			X												
31B. Fluorene (86-73-7)			X												
32B. Hexachloro- benzene (118-71-1)			X												
33B. Hexachloro- butadiene (87-68-3)			X												
34B. Hexachloro- cyclopenta- diene (77-47-4)			X												

Part C – Continued															
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)															
35B. Hexachloroethane (67-72-1)			X												
36B. Indneo-(1,2,3-oc)-Pyrene (193-39-5)			X												
37B. Isophorone (78-59-1)			X												
38B. Napthalene (91-20-3)			X												
39B. Nitrobenzene (98-95-3)			X												
40B. N-Nitrosodimethylamine (62-75-9)			X												
41B. N-nitrosodi-n-propylamine (621-64-7)			X												
42B. N-nitrosodiphenylamine (86-30-6)			X												
43B. Phenanthrene (85-01-8)			X												
44B. Pyrene (129-00-0)			X												
45B. 1,2,4 Trichlorobenzene (120-82-1)			X												

Part C – Continued															
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No. of Analyses
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	
GC/MS FRACTION – PESTICIDES															
1P. Aldrin (309-00-2)			X												
2P. α-BHC (319-84-6)			X												
3P. β-BHC (58-89-9)			X												
4P. gamma-BHC (58-89-9)			X												
5P. δ-BHC (319-86-8)			X												
6P. Chlordane (57-74-9)			X												
7P. 4,4’-DDT (50-29-3)			X												
8P. 4,4’-DDE (72-55-9)			X												
9P. 4,4’-DDD (72-54-8)			X												
10P. Dieldrin (60-57-1)			X												
11P. α- Endosulfan (115-29-7)			X												
12P. β- Endosulfan (115-29-7)			X												
13P. Endosulfan Sulfate (1031-07-8)			X												
14P. Endrin (72-20-8)			X												

Part C – Continued

1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	
GC/MS FRACTION – PESTICIDES															
15P. Endrin Aldehyde (7421-93-4)			X												
16P. Heptachlor (76-44-8)			X												
17P. Heptaclor Epoxide (1024-57-3)			X												
18P. PCB-1242 (53469-21-9)			X												
19P. PCB-1254 (11097-69-1)			X												
20P. PCB-1221 (11104-28-2)			X												
21P. PCB-1232 (11141-16-5)			X												
22P. PCB-1248 (12672-29-6)			X												
23P. PCB-1260 (11096-82-5)			X												
24P. PCB-1016 (12674-11-2)			X												
25P. Toxaphene (8001-35-2)			X												

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. (See instructions)

V. INTAKE AND EFFLUENT CHARACTERISTICS (Continued from page 3 of Form C)

OUTFALL NO. 7

Part A – You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT						3. UNITS (specify if blank)		4. INTAKE (optional)			
	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No of Analyses
	(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
	Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	
a. Biochemical Oxygen Demand (BOD)												
b. Chemical Oxygen Demand (COD)												
c. Total Organic Carbon (TOC)												
d. Total Suspended Solids (TSS)	1	8.34	N/A	N/A	N/A		3	PPM	LBS/MG			
e. Ammonia (as N)												
f. Flow (in units of MGD)	VALUE 0.002		VALUE N/A		VALUE N/A			MGD		VALUE		
g. Temperature (winter)	VALUE 34 ° F		VALUE N/A		VALUE			°c		VALUE		
h. Temperature (summer)	VALUE 73 ° F		VALUE N/A		VALUE			°c		VALUE		
i. pH	MINIMUM 7.5	MAXIMUM 8.0	MINIMUM	MAXIMUM				STANDARD UNITS				

Part B - In the MARK "X" column, place an "X" in the Believed Present column for each pollutant you know or have reason to believe is present. Place an "X" in the Believed Absent column for each pollutant you believe to be absent. If you mark the Believed Present column for any pollutant, you must provide the results of at least one analysis for that pollutant. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO.  (if available)	2. MARK "X"		3. EFFLUENT							4. UNITS		6. INTAKE (optional)		
	a.	b.	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
	Believed Present	Believed Absent	(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
			Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	
a. Bromide (24959-67-9)		X												
b. Bromine Total Residual		X												
c. Chloride		X												
d. Chlorine, Total Residual		X												
e. Color		X												
f. Fecal Coliform		X												
g. Fluoride (16984-48-8)		X												
h. Hardness (as CaCO <sub>3</sub> )	X		504	4208						PPM	#/MG			
i. Nitrate – Nitrite (as N)		X												
j. Nitrogen, Total Organic (as N)		X												
k. Oil and Grease		X												
l. Phosphorous (as P), Total 7723-14-0		X												
m. Radioactivity														
(1) Alpha, Total		X												
(2) Beta, Total		X												
(3) Radium Total		X												
(4) Radium, 226, Total		X												

Part B - Continued														
1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"		3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No. of Analyses
			(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
n. Sulfate (as SO <sub>4</sub> ) (14808-79-8)	X		720	6012						PPM	#/MG			
o. Sulfide (as S)		X												
p. Sulfite (as SO <sub>3</sub> ) (14286-46-3)		X												
q. Surfactants		X												
r. Aluminum, Total (7429-90)		X												
s. Barium, Total (7440-39-3)		X												
t. Boron, Total (7440-42-8)		X												
u. Cobalt, Total (7440-48-4)		X												
v. Iron, Total (7439-89-6)	X		0.21	1.76						PPM	#/MG			
w. Magnesium Total (7439-96-4)		X												
x. Molybdenum Total (7439-98-7)		X												
y. Manganese, Total (7439-96-6)	X		0.17	1.39						PPM	#/MG			
z. Tin, Total (7440-31-5)		X												
aa. Titanium, Total (7440-32-6)		X												

**Part C** – If you are a primary industry and this outfall contains process wastewater, refer to Table C-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in the **Testing Required** column for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark this column (secondary industries, nonprocess wastewater outfalls, and non-required GC/MS fractions), mark "X" in the **Believed Present** column for each pollutant you know or have reason to believe is present. Mark "X" in the **Believed Absent** column for each pollutant you believe to be absent. If you mark either the **Testing Required** or **Believed Present** columns for any pollutant, you must provide the result of at least one analysis for that pollutant. Note that there are seven pages to this part; please review each carefully. Complete one table (all seven pages) for each outfall. See instructions for additional details and requirements.

One table (all seven pages) for each facility. See instructions for additional details and requirements.																
1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses	
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)		
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass		
METALS, CYANIDE AND TOTAL PHENOLS																
1M. Antimony Total (7440-36-0)			X													
2M. Arsenic, Total (7440-38-2)			X													
3M. Beryllium Total (7440-41-7)			X													
4M. Cadmium Total (7440-43-9)			X													
5M. Chromium Total (7440-43-9)			X													
6M. Copper Total (7550-50-8)			X													
7M. Lead Total (7439-92-1)			X													
8M. Mercury Total (7439-97-6)			X													
9M. Nickel, Total (7440-02-0)			X													
10M. Selenium, Total (7782-49-2)			X													
11M. Silver, Total (7440-28-0)			X													

**Part C – Continued**

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses	
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)		
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass		
<b>METALS, CYANIDE AND TOTAL PHENOLS (Continued)</b>																
12M. Thallium, Total (7440-28-0)			X													
13M. Zinc, Total (7440-66-6)			X													
14M. Cyanide, Total (57-12-5)			X													
15M. Phenols, Total			X													
<b>DIOXIN</b>																
2,3,7,8 Tetra- chlorodibenzo, P, Dioxin (1784-01-6)			X	DESCRIBE RESULTS:												
<b>GC/MS FRACTION – VOLATILE COMPOUNDS</b>																
1V. Acrolein (107-02-8)			X													
2V. Acrylonitrile (107-13-1)			X													
3V. Benzene (71-43-2)			X													
5V. Bromoform (75-25-2)			X													
6V. Carbon Tetrachloride (56-23-5)			X													
7V. Chloro- benzene (108-90-7)			X													
8V. Chlorodibromomethane (124-48-1)			X													

Part C – Continued															
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a.		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a.		b. No. of Analyses
				Maximum Daily Value									Long-Term Avg Value		
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
9V. Chloroethane (74-00-3)			X												
10V. 2-Chloro- ethylvinyl Ether (110-75-8)			X												
11V. Chloroform (67-66-3)			X												
12V. Dichloro- bromomethane (75-71-8)			X												
14V. 1,1- Dichloroethane (75-34-3)			X												
15V. 1,2- Dichloroethane (107-06-2)			X												
16V. 1,1- Dichlorethylene (75-35-4)			X												
17V. 1,2-Di- chloropropane (78-87-5)			X												
18V. 1,3- Dichloropro- pylene (452-75-6)			X												
19V. Ethyl- benzene (100-41-4)			X												
20V. Methyl Bromide (74-83-9)			X												

## Part C – Continued

1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No. of Analyses
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	
21V. Methyl Chloride (74-87-3)			X												
22V. Methylene Chloride (75-00-2)			X												
23V. 1,1,2,2- Tetrachloro- ethane (79-34-5)			X												
24V. Tetrachloro- ethylene (127-18-4)			X												
25V. Toluene (108-88-3)			X												
26V. 1,2-Trans- Dichloro- ethylene (156-60-5)			X												
27V. 1,1,1-Tri- chloroethane (71-55-6)			X												
28V. 1,1,2-Tri- chloroethane (79-00-5)			X												
29V. Trichloro- ethylene (79-01-6)			X												
30V. Vinyl Chloride (75-01-4)			X												

Part C – Continued																
1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses	
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)		
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass		
GC/MS FRACTION – ACID COMPOUNDS																
1A. 2-Chloro-phenol (95-57-8)			X													
2A. 2,4-Dichloro-phenol (120-83-2)			X													
3A. 2,4-Dimethylphenol (105-67-9)			X													
4A. 4,6-Dinitro-o-cresol (534-52-1)			X													
5A. 2,4-Dinitrophenol (51-28-5)			X													
6A. 2-Nitrophenol (88-75-5)			X													
7A. 4-Nitrophenol (100-02-7)			X													
8A. P-chloro-m-cresol (59-50-7)			X													
9A. Pentachloro-phenol (87-88-5)			X													
10A. Phenol (108-05-2)			X													
11A. 2,4,6-Trichlorophenol (88-06-2)			X													
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS																
1B. Acenaphthene (83-32-9)			X													

Part C – Continued																
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses	
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)		
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass		
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)																
2B. Acena- phtylene (208-96-8)			X													
3B. Anthra- cene (120-12-7)			X													
4B. Benzidine (92-87-5)			X													
5B. Benzo(a)- anthracene (56-55-3)			X													
6B. Benzo(a)- pyrene (50-32-8)			X													
7B. 3,4-Benzo- fluoranthene (205-99-2)			X													
8B. Benzo(ghi) perylene (191-24-2)			X													
9B. Benzo(k)- fluoranthene (207-08-9)			X													
10B. Bis(2- chlor- oethoxy)- methane (111-91-1)			X													
11B. Bis (2-chlor- oisopropyl)- Ether			X													
12B. Bis (2-ethyl- hexyl)- phthalate (117-81-7)			X													

Part C – Continued															
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)															
13B. 4-Bromo-phenyl Phenyl ether (101-55-3)			X												
14B. Butyl-benzyl phthalate (85-68-7)			X												
15B. 2-Chloro-naphthalene (7005-72-3)			X												
16B. 4-Chloro-phenyl phenyl ether (7005-72-3)			X												
17B. Chrysene (218-01-9)			X												
18B. Dibenzo-(a,h) Anthracene (53-70-3)			X												
19B. 1,2-Dichloro-benzene (95-50-1)			X												
20B. 1,3-Dichloro-Benzene (541-73-1)			X												
21B. 1,4-Dichloro-benzene (106-46-7)			X												
22B. 3,3-Dichloro-benzidene (91-94-1)			X												
23B. Diethyl Phthalate (84-66-2)			X												

Part C – Continued															
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No. of Analyses
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)															
24B. Dimethyl Phthalate (131-11-3)			X												
25B. Di-N- butyl Phthalate (84-74-2)			X												
26B. 2,4-Dinitro- toluene (121-14-2)			X												
27B. 2,6-Dinitro- toluene (606-20-2)			X												
28B. Di-n-octyl Phthalate (117-84-0)			X												
29B. 1,2- diphenyl- hydrazine (as azonbenzene) (122-66-7)			X												
30B. Fluoranthene (208-44-0)			X												
31B. Fluorene (86-73-7)			X												
32B. Hexachloro- benzene (118-71-1)			X												
33B. Hexachloro- butadiene (87-68-3)			X												
34B. Hexachloro- cyclopenta- diene (77-47-4)			X												

Part C – Continued																
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a.		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a.		b. No. of Analyses	
				Maximum Daily Value									Long-Term Avg Value			
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass		
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)																
35B. Hexachlo- roethane (67-72-1)			X													
36B. Indneo- (1,2,3-oc)- Pyrene (193-39-5)			X													
37B. Isophorone (78-59-1)			X													
38B. Napthalene (91-20-3)			X													
39B. Nitro- benzene (98-95-3)			X													
40B. N-Nitroso- dimethyl- amine (62-75-9)			X													
41B. N-nitrosodi-n- propylamine (621-64-7)			X													
42B. N-nitro- sodiphenyl- amine (86-30-6)			X													
43B. Phenan- threne (85-01-8)			X													
44B. Pyrene (129-00-0)			X													
45B. 1,2,4 Tri- chloro- benzene (120-82-1)			X													

Part C – Continued																
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No. of Analyses	
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)		
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass		
GC/MS FRACTION – PESTICIDES																
1P. Aldrin (309-00-2)			X													
2P. α-BHC (319-84-6)			X													
3P. β-BHC (58-89-9)			X													
4P. gamma-BHC (58-89-9)			X													
5P. δ-BHC (319-86-8)			X													
6P. Chlordane (57-74-9)			X													
7P. 4,4’-DDT (50-29-3)			X													
8P. 4,4’-DDE (72-55-9)			X													
9P. 4,4’-DDD (72-54-8)			X													
10P. Dieldrin (60-57-1)			X													
11P. α- Endosulfan (115-29-7)			X													
12P. β- Endosulfan (115-29-7)			X													
13P. Endosulfan Sulfate (1031-07-8)			X													
14P. Endrin (72-20-8)			X													

Part C – Continued															
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	
GC/MS FRACTION – PESTICIDES															
15P. Endrin Aldehyde (7421-93-4)			X												
16P. Heptachlor (76-44-8)			X												
17P. Heptachlor Epoxide (1024-57-3)			X												
18P. PCB-1242 (53469-21-9)			X												
19P. PCB-1254 (11097-69-1)			X												
20P. PCB-1221 (11104-28-2)			X												
21P. PCB-1232 (11141-16-5)			X												
22P. PCB-1248 (12672-29-6)			X												
23P. PCB-1260 (11096-82-5)			X												
24P. PCB-1016 (12674-11-2)			X												
25P. Toxaphene (8001-35-2)			X												

**PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY.** You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. (See instructions)

V. INTAKE AND EFFLUENT CHARACTERISTICS (Continued from page 3 of Form C)										OUTFALL NO. 242		
Part A – You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.												
1. POLLUTANT	2. EFFLUENT						3. UNITS (specify if blank)		4. INTAKE (optional)			
	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No of Analyses
	(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
	Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	
a. Biochemical Oxygen Demand (BOD)												
b. Chemical Oxygen Demand (COD)												
c. Total Organic Carbon (TOC)												
d. Total Suspended Solids (TSS)	1	8.34	N/A	N/A	N/A	N/A	3	PPM	LBS/MG			
e. Ammonia (as N)												
f. Flow (in units of MGD)	VALUE 0.03		VALUE N/A		VALUE N/A			MGD		VALUE		
g. Temperature (winter)	VALUE 34 ° F		VALUE		VALUE			°c		VALUE		
h. Temperature (summer)	VALUE 73 ° F		VALUE		VALUE			°c		VALUE		
i. pH	MINIMUM 8.3	MAXIMUM 8.3	MINIMUM	MAXIMUM				STANDARD UNITS				

Part B - In the MARK "X" column, place an "X" in the Believed Present column for each pollutant you know or have reason to believe is present. Place an "X" in the Believed Absent column for each pollutant you believe to be absent. If you mark the Believed Present column for any pollutant, you must provide the results of at least one analysis for that pollutant. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO.  (if available)	2. MARK "X"		3. EFFLUENT							4. UNITS		6. INTAKE (optional)		
	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
			(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
a. Bromide (24959-67-9)		X												
b. Bromine Total Residual		X												
c. Chloride		X												
d. Chlorine, Total Residual		X												
e. Color		X												
f. Fecal Coliform		X												
g. Fluoride (16984-48-8)		X												
h. Hardness (as CaCO <sub>3</sub> )	X		200	1670						PPM	#/MG			
i. Nitrate – Nitrite (as N)		X												
j. Nitrogen, Total Organic (as N)		X												
k. Oil and Grease		X												
l. Phosphorous (as P), Total 7723-14-0		X												
m. Radioactivity														
(1) Alpha, Total		X												
(2) Beta, Total		X												
(3) Radium Total		X												
(4) Radium, 226, Total		X												

Part B - Continued														
1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"		3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No. of Analyses
			(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
			Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	
n. Sulfate (as SO <sub>4</sub> ) (14808-79-8)	X		224	1870						PPM	#/MG			
o. Sulfide (as S)		X												
p. Sulfite (as SO <sub>3</sub> ) (14286-46-3)		X												
q. Surfactants		X												
r. Aluminum, Total (7429-90)		X												
s. Barium, Total (7440-39-3)		X												
t. Boron, Total (7440-42-8)		X												
u. Cobalt, Total (7440-48-4)		X												
v. Iron, Total (7439-89-6)	X		0.46	3.84						PPM	#/MG			
w. Magnesium Total (7439-96-4)		X												
x. Molybdenum Total (7439-98-7)		X												
y. Manganese, Total (7439-96-6)	X		0.34	2.50						PPM	#/MG			
z. Tin, Total (7440-31-5)		X												
aa. Titanium, Total (7440-32-6)		X												

**Part C –** If you are a primary industry and this outfall contains process wastewater, refer to Table C-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark “X” in the **Testing Required** column for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark this column (secondary industries, nonprocess wastewater outfalls, and non-required GC/MS fractions), mark “X” in the **Believed Present** column for each pollutant you know or have reason to believe is present. Mark “X” in the **Believed Absent** column for each pollutant you believe to be absent. If you mark either the **Testing Required** or **Believed Present** columns for any pollutant, you must provide the result of at least one analysis for that pollutant. Note that there are seven pages to this part; please review each carefully. Complete one table (all seven pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses	
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)		
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass		
METALS, CYANIDE AND TOTAL PHENOLS																
1M. Antimony Total (7440-36-0)			X													
2M. Arsenic, Total (7440-38-2)			X													
3M. Beryllium Total (7440-41-7)			X													
4M. Cadmium Total (7440-43-9)			X													
5M. Chromium Total (7440-43-9)			X													
6M. Copper Total (7550-50-8)			X													
7M. Lead Total (7439-92-1)			X													
8M. Mercury Total (7439-97-6)			X													
9M. Nickel, Total (7440-02-0)			X													
10M. Selenium, Total (7782-49-2)			X													
11M. Silver, Total (7440-28-0)			X													

Part C -- Continued																
1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses	
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)		
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass		
METALS, CYANIDE AND TOTAL PHENOLS (Continued)																
12M. Thallium, Total (7440-28-0)			X													
13M. Zinc, Total (7440-66-6)			X													
14M. Cyanide, Total (57-12-5)			X													
15M. Phenols, Total			X													
DIOXIN																
2,3,7,8 Tetra- chlorodibenzo, P, Dioxin (1784-01-6)			X	DESCRIBE RESULTS:												
GC/MS FRACTION -- VOLATILE COMPOUNDS																
1V. Acrolein (107-02-8)			X													
2V. Acrylonitrile (107-13-1)			X													
3V. Benzene (71-43-2)			X													
5V. Bromoform (75-25-2)			X													
6V. Carbon Tetrachloride (56-23-5)			X													
7V. Chloro- benzene (108-90-7)			X													
8V. Chlorodibro- momethane (124-48-1)			X													

Part C – Continued															
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	
9V. Chloroethane (74-00-3)			X												
10V. 2-Chloro- ethylvinyl Ether (110-75-8)			X												
11V. Chloroform (67-66-3)			X												
12V. Dichloro- bromomethane (75-71-8)			X												
14V. 1,1- Dichloroethane (75-34-3)			X												
15V. 1,2- Dichloroethane (107-06-2)			X												
16V. 1,1- Dichlorethylene (75-35-4)			X												
17V. 1,2-Di- chloropropane (78-87-5)			X												
18V. 1,3- Dichloropro- pylene (452-75-6)			X												
19V. Ethyl- benzene (100-41-4)			X												
20V. Methyl Bromide (74-83-9)			X												

Part C – Continued															
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No. of Analyses
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	
21V. Methyl Chloride (74-87-3)			X												
22V. Methylene Chloride (75-00-2)			X												
23V. 1,1,2,2- Tetrachloro- ethane (79-34-5)			X												
24V. Tetrachloro- ethylene (127-18-4)			X												
25V. Toluene (108-88-3)			X												
26V. 1,2-Trans- Dichloro- ethylene (156-60-5)			X												
27V. 1,1,1-Tri- chloroethane (71-55-6)			X												
28V. 1,1,2-Tri- chloroethane (79-00-5)			X												
29V. Trichloro- ethylene (79-01-6)			X												
30V. Vinyl Chloride (75-01-4)			X												

Part C – Continued																
1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses	
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)		
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass		
GC/MS FRACTION – ACID COMPOUNDS																
1A. 2-Chloro-phenol (95-57-8)			X													
2A. 2,4-Dichloro-phenol (120-83-2)			X													
3A. 2,4-Dimethylphenol (105-67-9)			X													
4A. 4,6-Dinitro-o-cresol (534-52-1)			X													
5A. 2,4-Dinitro-phenol (51-28-5)			X													
6A. 2-Nitro-phenol (88-75-5)			X													
7A. 4-Nitro-phenol (100-02-7)			X													
8A. P-chloro-m-cresol (59-50-7)			X													
9A. Pentachloro-phenol (87-88-5)			X													
10A. Phenol (108-05-2)			X													
11A. 2,4,6-Trichlorophenol (88-06-2)			X													
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS																
1B. Acenaphthene (83-32-9)			X													

Part C – Continued															
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)															
2B. Acena- phtylene (208-96-8)			X												
3B. Anthra- cene (120-12-7)			X												
4B. Benzidine (92-87-5)			X												
5B. Benzo(a)- anthracene (56-55-3)			X												
6B. Benzo(a)- pyrene (50-32-8)			X												
7B. 3,4-Benzo- fluoranthene (205-99-2)			X												
8B. Benzo(ghi) perylene (191-24-2)			X												
9B. Benzo(k)- fluoranthene (207-08-9)			X												
10B. Bis(2- chlor- oethoxy)- methane (111-91-1)			X												
11B. Bis (2-chlor- oisopropyl)- Ether			X												
12B. Bis (2-ethyl- hexyl)- phthalate (117-81-7)			X												

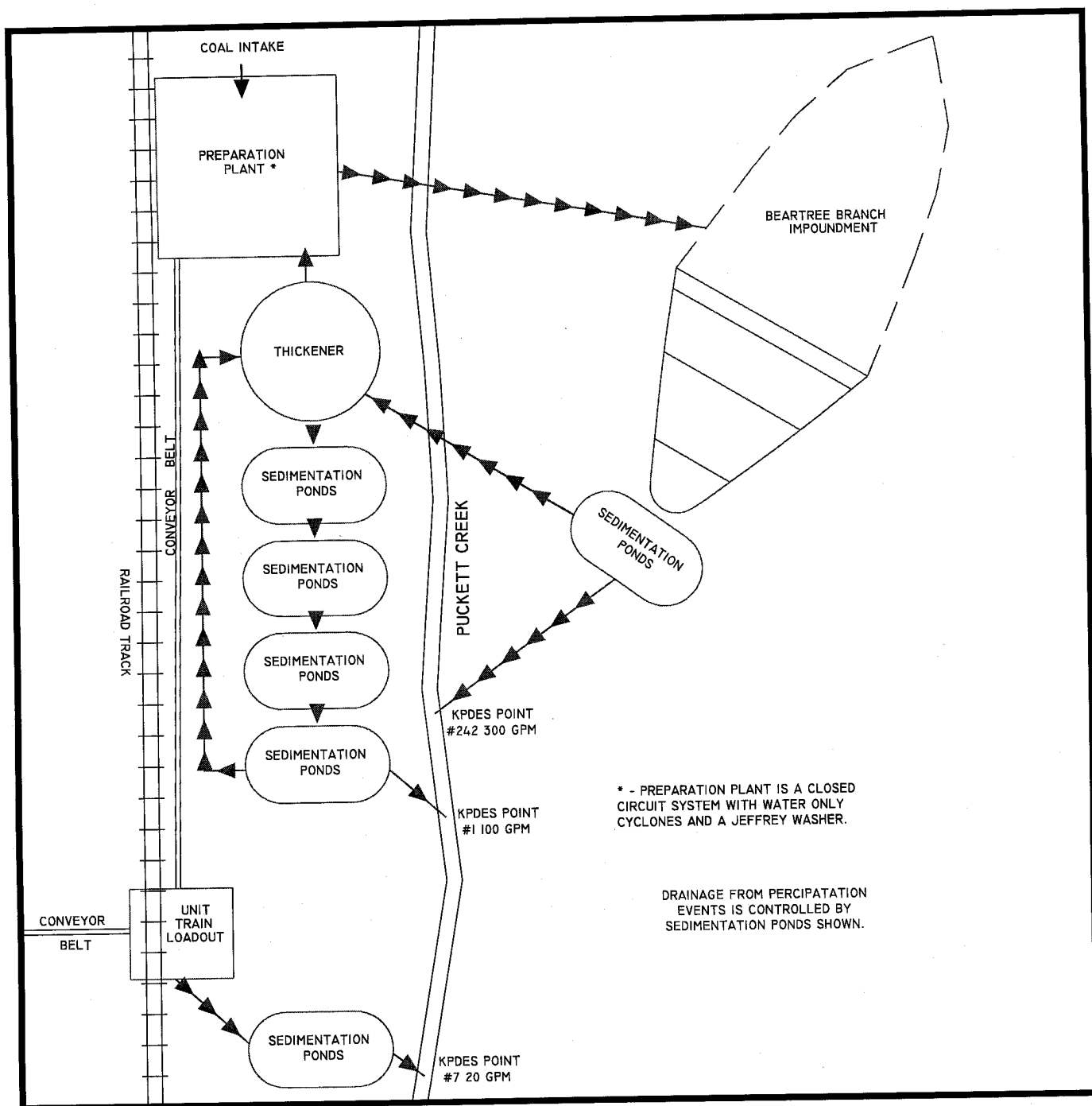
Part C – Continued															
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)															
13B. 4-Bromo-phenyl Phenyl ether (101-55-3)			X												
14B. Butyl-benzyl phthalate (85-68-7)			X												
15B. 2-Chloro-naphthalene (7005-72-3)			X												
16B. 4-Chloro-phenyl phenyl ether (7005-72-3)			X												
17B. Chrysene (218-01-9)			X												
18B. Dibenzo-(a,h) Anthracene (53-70-3)			X												
19B. 1,2-Dichloro-benzene (95-50-1)			X												
20B. 1,3-Dichloro-Benzene (541-73-1)			X												
21B. 1,4-Dichloro-benzene (106-46-7)			X												
22B. 3,3-Dichloro-benzidene (91-94-1)			X												
23B. Diethyl Phthalate (84-66-2)			X												

Part C – Continued																
1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No. of Analyses	
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)		
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass		
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)																
24B. Dimethyl Phthalate (131-11-3)			X													
25B. Di-N- butyl Phthalate (84-74-2)			X													
26B. 2,4-Dinitro- toluene (121-14-2)			X													
27B. 2,6-Dinitro- toluene (606-20-2)			X													
28B. Di-n-octyl Phthalate (117-84-0)			X													
29B. 1,2- diphenyl- hydrazine (as azonbenzene) (122-66-7)			X													
30B. Fluoranthene (208-44-0)			X													
31B. Fluorene (86-73-7)			X													
32B. Hexachloro- benzene (118-71-1)			X													
33B. Hexachloro- butadiene (87-68-3)			X													
34B. Hexachloro- cyclopenta- diene (77-47-4)			X													

Part C – Continued															
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)															
35B. Hexachlo- roethane (67-72-1)			X												
36B. Indneo- (1,2,3-oc)- Pyrene (193-39-5)			X												
37B. Isophorone (78-59-1)			X												
38B. Napthalene (91-20-3)			X												
39B. Nitro- benzene (98-95-3)			X												
40B. N-Nitroso- dimethyl- amine (62-75-9)			X												
41B. N-nitrosodi-n- propylamine (621-64-7)			X												
42B. N-nitro- sodiphenyl- amine (86-30-6)			X												
43B. Phenan- threne (85-01-8)			X												
44B. Pyrene (129-00-0)			X												
45B. 1,2,4 Tri- chloro- benzene (120-82-1)			X												

Part C – Continued															
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a.		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a.		b. No. of Analyses
				Maximum Daily Value		Value (if available)		Value (if available)					Long-Term Avg. Value		
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
GC/MS FRACTION – PESTICIDES															
1P. Aldrin (309-00-2)			X												
2P. α-BHC (319-84-6)			X												
3P. β-BHC (58-89-9)			X												
4P. gamma-BHC (58-89-9)			X												
5P. δ-BHC (319-86-8)			X												
6P. Chlordane (57-74-9)			X												
7P. 4,4'-DDT (50-29-3)			X												
8P. 4,4'-DDE (72-55-9)			X												
9P. 4,4'-DDD (72-54-8)			X												
10P. Dieldrin (60-57-1)			X												
11P. α- Endosulfan (115-29-7)			X												
12P. β- Endosulfan (115-29-7)			X												
13P. Endosulfan Sulfate (1031-07-8)			X												
14P. Endrin (72-20-8)			X												

Part C – Continued																
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses	
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)		
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass		
GC/MS FRACTION – PESTICIDES																
15P. Endrin Aldehyde (7421-93-4)			X													
16P. Heptachlor (76-44-8)			X													
17P. Heptaclor Epoxide (1024-57-3)			X													
18P. PCB-1242 (53469-21-9)			X													
19P. PCB-1254 (11097-69-1)			X													
20P. PCB-1221 (11104-28-2)			X													
21P. PCB-1232 (11141-16-5)			X													
22P. PCB-1248 (12672-29-6)			X													
23P. PCB-1260 (11096-82-5)			X													
24P. PCB-1016 (12674-11-2)			X													
25P. Toxaphene (8001-35-2)			X													



COMPANY: MANALAPAN MINING COMPANY, INC.

ADDRESS: P.O. BOX 311, BROOKSIDE, KY 40801

COUNTY: HARLAN

NEAREST STREAM: PUCKETT CREEK

QUADRANGLE: EWING

NPDES NO: KY0024252

DSMRE NO: 848-8045

OTHER: N/A

KPDES POINTS:

#1

#7

242

NEW

REISSUANCE OF PERMIT

XXX

CONSTRUCTION

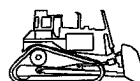
# CERTIFICATION

I, Michael A. Gambrel 13270 01-07-08  
registered engineer

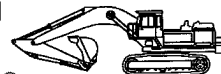
hereby certify, in accordance with 405 KAR 7:040, Section 10, that this document is correct as determined by accepted engineering practices and includes all information required of it by KRS Chapter 350 and KAR Title 405.

GAMBREL

13,270



MANALAPAN  
MINING  
COMPANY, INC.



P.O. BOX 311, BROOKSIDE, KY. 40801

FILE NAME: KPDES.DWG

DATE 12/27/07

DRAWN BY: D. WILSON

CERTIFICATION  
Michael A. Gambrel 13270 1-07-08

HEREBY CERTIFY, IN ACCORDANCE WITH KRS 192.010, SECTION 10, THAT  
THIS DOCUMENT IS CORRECT AS DETERMINED BY ACCEPTED MEASURING  
PRACTICES AND INCLUDES ALL INFORMATION REQUIRED OF IT BY KRS CHAPTER  
192 AND PART TITLE LAND.



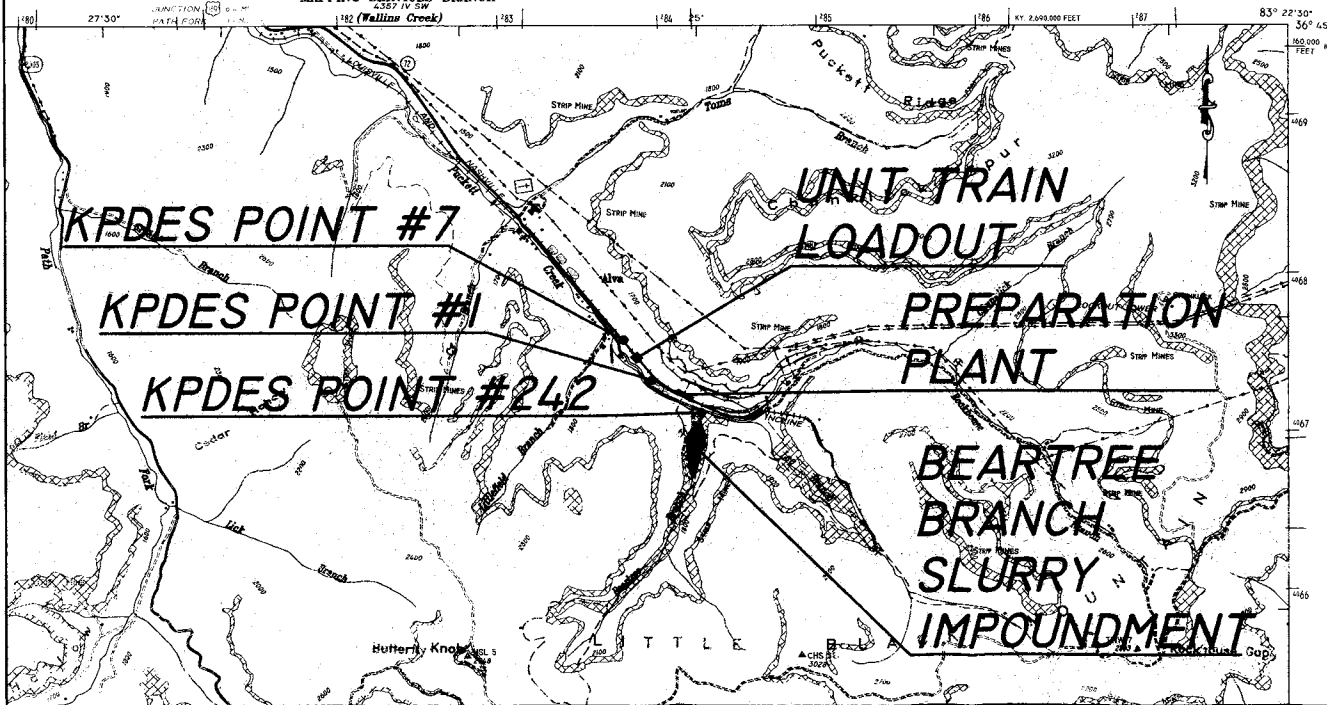
LEGEND  
● KPDES DISCHARGE POINT  
--- MINERAL SPUR TRACK LINE (NOT TO SCALE)  
--- COAL PREPARATION PLANT  
◆ UNIT TRAIN LOADOUT

MANALAPAN MINING  
COMPANY, INC.  
R9 DIVISION

KPDES PERMIT KY0024252  
DSMRE PERMIT 848-8045  
KPDES POINTS #1, #7 & #242  
SCALE: 1" = 2000'

UNITED STATES  
TENNESSEE VALLEY AUTHORITY  
MAPPING SERVICES BRANCH  
4357 IV SW  
1482 (Wallace Creek)

EWING QUADRANGLE  
KENTUCKY-VIRGINIA  
7.5 MINUTE SERIES (TOPOGRAPHIC) 161-NW



**MANALAPAN MINING COMPANY, INC.**

PO BOX 311, BROOKSIDE, KY 40801

*Copy*

Phone (606) 573-1211

Fax (606) 837-3773

January 28, 2008

Ms. Vickie L. Prather, Acting Supervisor  
Inventory and Data Management Section  
KPDES Branch  
Division of Water  
14 Reilly Road  
Frankfort, Kentucky 40601

RE: KPDES Permit  
No.: KY0024252

Dear Ms. Prather:

Enclosed is a "Renewal" for the above referenced  
KPDES permit (With Fee). This is a renewal only and no  
changes are proposed from the original permit.

Please contact me at (606) 573-1211 ext. 29 if you  
have any questions concerning this renewal.

Respectfully,

*Dennis Wilson*

Dennis Wilson  
Manalapan Mining Company, Inc.



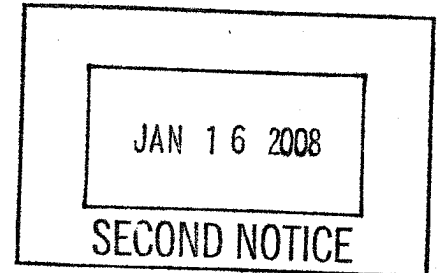
STEVEN L. BESHEAR  
GOVERNOR

**ENVIRONMENTAL AND PUBLIC PROTECTION CABINET**  
DEPARTMENT FOR ENVIRONMENTAL PROTECTION  
DIVISION OF WATER  
14 REILLY ROAD  
FRANKFORT, KENTUCKY 40601  
www.kentucky.gov

ROBERT D. VANCE  
SECRETARY

December 27, 2007

Mr. Duane H. Bennett  
Manalapan Mining Company, Incorporated  
P.O. Box 311  
Brookside, Kentucky 40801



RE: KPDES No. KY0024252  
Manalapan Mining Company, Incorporated  
Harlan County, Kentucky

Dear Mr. Bennett:

Our records indicate that your Kentucky Pollutant Discharge Elimination System (KPDES) permit is due to expire on July 31, 2008. According to the KPDES Regulation 401 KAR 5:060, "any person with a currently effective permit shall submit a new application at least 180 days before the expiration of the existing permit..." **The due date for your permit renewal application is January 31, 2008.**

Please complete the enclosed application forms and return to the KPDES Branch, Division of Water, at the above address by the indicated due date. Applications received after the due date are in violation of 401 KAR 5:060, Section 1, which could result in enforcement action being taken.

If you have any questions regarding the completion of these forms, please contact me at (502) 564-8158, extension 470, or Ann Workman at extension 528.

Sincerely,

**Vickie L. Prather, Acting Supervisor**  
Inventory and Data Management Section  
KPDES Branch  
Division of Water

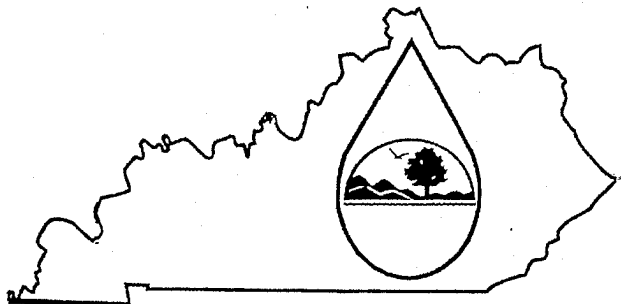
VLP:ASW:asw

Enclosures

C: London Regional Office  
Division of Water Files

# KPDES FORM 1

## KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM



JAN 31 2008

### PERMIT APPLICATION

This is an application to: (check one)

- ☐ Apply for a new permit.  
☒ Apply for reissuance of expiring permit.  
☐ Apply for a construction permit.  
☐ Modify an existing permit.

Give reason for modification under Item II.A.

A complete application consists of this form and one of the following:

Form A, Form B, Form C, Form F, or Short Form C

For additional information contact:

KPDES Branch (502) 564-3410

<b>I. FACILITY LOCATION AND CONTACT INFORMATION</b>		AGENCY USE							
A. Name of business, municipality, company, etc. requesting permit Manalapan Mining Company, Inc.									
B. Facility Name and Location					C. Facility Owner/Mailing Address				
Facility Location Name: Manalapan Mining Company, Inc.					Owner Name: Manalapan Mining Company, Inc.				
Facility Location Address (i.e. street, road, etc.): HC 61 (Kentucky HWY 72 at Pathfork)					Mailing Street: P.O. Box 311				
Facility Location City, State, Zip Code: Pathfork, KY 40863					Mailing City, State, Zip Code: Brookside, KY 40801				
					Telephone Number:				

### II. FACILITY DESCRIPTION

A. Provide a brief description of activities, products, etc:

This facility is a coal preparation plant and associated facilities.  
Such as Refuse areas and unit train loadout.

B. Standard Industrial Classification (SIC) Code and Description

Principal SIC Code &  
Description:

1211

Coal Preparation Plant

Other SIC Codes:

### III. FACILITY LOCATION

A. Attach a U.S. Geological Survey 7 1/2 minute quadrangle map for the site. (See instructions)

B. County where facility is located:  
Harlan

City where facility is located (if applicable):  
N/A

C. Body of water receiving discharge:

Puckett Creek of the Pathfork of the Cumberland River

D. Facility Site Latitude (degrees, minutes, seconds):  
36-44-13

Facility Site Longitude (degrees, minutes, seconds):  
83-25-54

E. Method used to obtain latitude & longitude (see instructions):

Topo Map

F. Facility Dun and Bradstreet Number (DUNS #) (if applicable):

N/A

**IV. OWNER/OPERATOR INFORMATION****A. Type of Ownership:**☐ Publicly Owned ☒ Privately Owned ☐ State Owned ☐ Both Public and Private Owned ☐ Federally owned**B. Operator Contact Information (See instructions)**

Name of Treatment Plant Operator:

Earl Goins

Telephone Number:

606-664-3861

Operator Mailing Address (Street):

HC 61 KY HWY 72 at Pathforl

Operator Mailing Address (City, State, Zip Code):

Pathfork, Kentucky 40863

Is the operator also the owner?

Yes ☐No ☒

Is the operator certified? If yes, list certification class and number below.

Yes ☐No ☒

Certification Class:

N/A Prep. Plant Only

Certification Number:

**V. EXISTING ENVIRONMENTAL PERMITS**

Current NPDES Number:

KY0024252

Issue Date of Current Permit:

12/01/04

Expiration Date of Current Permit:

7/31/08

Number of Times Permit Reissued:

4

Date of Original Permit Issuance:

10/24/84

Sludge Disposal Permit Number:

N/A

Kentucky DOW Operational Permit #:

N/A

Kentucky DSMRE Permit Number(s):

848-8045

**C. Which of the following additional environmental permit/registration categories will also apply to this facility?**

CATEGORY	EXISTING PERMIT WITH NO.	PERMIT NEEDED WITH PLANNED APPLICATION DATE
Air Emission Source	S-01-007	
Solid or Special Waste	N/A	
Hazardous Waste - Registration or Permit	n/A	

**VI. DISCHARGE MONITORING REPORTS (DMRs)**

KPDES permit holders are required to submit DMRs to the Division of Water on a regular schedule (as defined by the KPDES permit). The information in this section serves to specifically identify the department, office or individual you designate as responsible for submitting DMR forms to the Division of Water.

A. Name of department, office or official submitting DMRs:	MANALAPAN MINING COMPANY, INC.
B. Address where DMR forms are to be sent. (Complete only if address is different from mailing address in Section I.)	
DMR Mailing Name:	MANALAPAN MINING COMPANY, INC.
DMR Mailing Street:	PO BOX 311
DMR Mailing City, State, Zip Code:	BROOKSIDE, KENTUCKY 40801
DMR Official Telephone Number:	606-573-1211

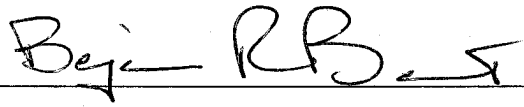
## VII. APPLICATION FILING FEE

KPDES regulations require that a permit applicant pay an application filing fee equal to twenty percent of the permit base fee. Please examine the base and filing fees listed below and in the Form 1 instructions and enclose a check payable to "Kentucky State Treasurer" for the appropriate amount. Descriptions of the base fee amounts are given in the "General Instructions."

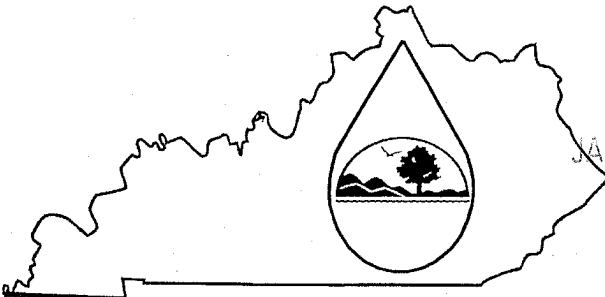
Facility Fee Category:	Filing Fee Enclosed:
Surface Mining Operation	240.00

## VIII. CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME AND OFFICIAL TITLE (type or print):	TELEPHONE NUMBER (area code and number):
Benjamin R. Bennett, President	606-573-1211
SIGNATURE	DATE:
	1-29-08

# KPDES FORM C



JAN 31 2008

## KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM

### PERMIT APPLICATION

A complete application consists of this form and Form I.  
For additional information, contact KPDES Branch, (502) 564-3410.

Name of Facility: Manalapan Mining Company, Inc				County: Harlan						
<b>I. OUTFALL LOCATION</b>				AGENCY USE						

For each outfall list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

Outfall No. (list)	LATITUDE			LONGITUDE			RECEIVING WATER (name)
	Degrees	Minutes	Seconds	Degrees	Minutes	Seconds	
1	36	43	48	83	25	12	Puckett Creek
7	36	44	28	83	25	20	Puckett Creek
242	36	43	39	83	24	59	Puckett Creek

## II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

- A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfall. If a water balance cannot be determined (e.g., for certain mining activities), provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures.
- B. For each outfall, provide a description of: (1) all operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff; (2) the average flow contributed by each operation; and (3) the treatment received by the wastewater. Continue on additional sheets if necessary.

OUTFALL NO. (list)	OPERATION(S) CONTRIBUTING FLOW		TREATMENT	
	Operation (list)	Avg/Design Flow (include units)	Description	List Codes from Table C-1
1	Preparation Plant	100	Sedimentation Pond	1-U
7	Unit Train Loadout	20	Sedimentation Pond	1-U
242	Slurry Impoundment	300	Sedimentation Pond	1-U

**II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES (Continued)**

C. Except for storm water runoff, leaks, or spills, are any of the discharges described in Items II-A or B intermittent or seasonal?

☐

Yes (Complete the following table.)

☒

No (Go to Section III.)

OUTFALL NUMBER	OPERATIONS CONTRIBUTING FLOW	FREQUENCY		FLOW					
		Days Per Week	Months Per Year	Flow Rate (in mgd)		Total volume (specify with units)		Duration (in days)	
		(specify average)	(specify average)	Long-Term Average	Maximum Daily	Long-Term Average	Maximum Daily		
(list)	(list)								

**III. MAXIMUM PRODUCTION**

A. Does an effluent guideline limitation promulgated by EPA under Section 304 of the Clean Water Act apply to your facility?

☒

Yes (Complete Item III-B) List effluent guideline category:

☐

No (Go to Section IV)

B. Are the limitations in the applicable effluent guideline expressed in terms of production (or other measures of operation)?

☐

Yes (Complete Item III-C)

☒

No (Go to Section IV)

C. If you answered "Yes" to Item III-B, list the quantity which represents the actual measurement of your maximum level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.

MAXIMUM QUANTITY			Affected Outfalls (list outfall numbers)
Quantity Per Day	Units of Measure	Operation, Product, Material, Etc. (specify)	

**IV. IMPROVEMENTS**

A. Are you now required by any federal, state or local authority to meet any implementation schedule for the construction, upgrading, or operation of wastewater equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders and grant or loan conditions.

☐

Yes (Complete the following table)

☒

No (Go to Item IV-B)

IDENTIFICATION OF CONDITION AGREEMENT, ETC.	AFFECTED OUTFALLS		BRIEF DESCRIPTION OF PROJECT	FINAL COMPLIANCE DATE	
	No.	Source of Discharge		Required	Projected

B. OPTIONAL: You may attach additional sheets describing any additional water pollution control programs (or other environmental projects which may affect your discharges) you now have under way or which you plan. Indicate whether each program is now under way or planned, and indicate your actual or planned schedules for construction.

## V. INTAKE AND EFFLUENT CHARACTERISTICS

A, B, & C: See instructions before proceeding – Complete one set of tables for each outfall – Annotate the outfall number in the space provided.

NOTE: Tables V-A, V-B, and V-C are included on separate sheets numbered 5-18.

D. Use the space below to list any of the pollutants (refer to SARA Title III, Section 313) listed in Table C-3 of the instructions, which you know or have reason to believe is discharged or may be discharged from any outfall. For every pollutant you list, briefly describe the reasons you believe it to be present and report any analytical data in your possession.

POLLUTANT	SOURCE	POLLUTANT	SOURCE

## VI. POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS

A. Is any pollutant listed in Item V-C a substance or a component of a substance which you use or produce, or expect to use or produce over the next 5 years as an immediate or final product or byproduct?

☐

Yes (List all such pollutants below)

☒

No (Go to Item VI-B)

--

B. Are your operations such that your raw materials, processes, or products can reasonably be expected to vary so that your discharge of pollutants may during the next 5 years exceed two times the maximum values reported in Item V?

☐

Yes (Complete Item VI-C)

☒

No (Go to Item VII)

C. If you answered "Yes" to Item VI-B, explain below and describe in detail to the best of your ability at this time the sources and expected levels of such pollutants which you anticipate will be discharged from each outfall over the next 5 years. Continue on additional sheets if you need more space.

--

**VII. BIOLOGICAL TOXICITY TESTING DATA**

Do you have any knowledge of or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

☐ Yes (Identify the test(s) and describe their purposes below)

☒ No (Go to Section VIII)

**VIII. CONTRACT ANALYSIS INFORMATION**

Were any of the analyses reported in Item V performed by a contract laboratory or consulting firm?

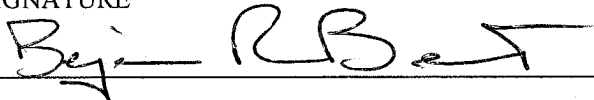
☐ Yes (list the name, address, and telephone number of, and pollutants analyzed by each such laboratory or firm below)

☐ No (Go to Section IX)

NAME	ADDRESS	TELEPHONE (Area code & number)	POLLUTANTS ANALYZED (list)

**IX. CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME AND OFFICIAL TITLE (type or print):	TELEPHONE NUMBER (area code and number):
Benjamin R. Bennett, President	(606) 573 - 1211
SIGNATURE	DATE
	2-29-08

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. (See instructions)

V. INTAKE AND EFFLUENT CHARACTERISTICS (Continued from page 3 of Form C)										OUTFALL NO. 1		
Part A – You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.												
1. POLLUTANT	2. EFFLUENT						3. UNITS (specify if blank)		4. INTAKE (optional)			
	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No of Analyses
	(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
	Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	
a. Biochemical Oxygen Demand (BOD)												
b. Chemical Oxygen Demand (COD)												
c. Total Organic Carbon (TOC)												
d. Total Suspended Solids (TSS)	0	0	N/A	N/A	N/A	N/A	3	PPM	LBS/MG			
e. Ammonia (as N)												
f. Flow (in units of MGD)	VALUE 0.004		VALUE		VALUE			MGD		VALUE		
g. Temperature (winter)	VALUE 34 ° F		VALUE		VALUE			°c		VALUE		
h. Temperature (summer)	VALUE 73 ° F		VALUE		VALUE			°c		VALUE		
i. pH	MINIMUM 7.8	MAXIMUM 8.3	MINIMUM	MAXIMUM				STANDARD UNITS				

Part B - In the MARK "X" column, place an "X" in the Believed Present column for each pollutant you know or have reason to believe is present. Place an "X" in the Believed Absent column for each pollutant you believe to be absent. If you mark the Believed Present column for any pollutant, you must provide the results of at least one analysis for that pollutant. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO.  (if available)	2. MARK "X"		3. EFFLUENT							4. UNITS		6. INTAKE (optional)		
	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
			(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
a. Bromide (24959-67-9)		X												
b. Bromine Total Residual		X												
c. Chloride		X												
d. Chlorine, Total Residual		X												
e. Color		X												
f. Fecal Coliform		X												
g. Fluoride (16984-48-8)		X												
h. Hardness (as CaCO <sub>3</sub> )	X		140	1169						PPM	#/MG			
i. Nitrate – Nitrite (as N)		X												
j. Nitrogen, Total Organic (as N)		X												
k. Oil and Grease		X												
l. Phosphorous (as P), Total 7723-14-0		X												
m. Radioactivity														
(1) Alpha, Total		X												
(2) Beta, Total		X												
(3) Radium Total		X												
(4) Radium, 226, Total		X												

Part B - Continued														
1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"		3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No. of Analyses
			(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
			Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	
n. Sulfate (as SO <sub>4</sub> ) (14808-79-8)	X		224	1870						PPM	#/MG			
o. Sulfide (as S)		X												
p. Sulfite (as SO <sub>3</sub> ) (14286-46-3)		X												
q. Surfactants		X												
r. Aluminum, Total (7429-90)		X												
s. Barium, Total (7440-39-3)		X												
t. Boron, Total (7440-42-8)		X												
u. Cobalt, Total (7440-48-4)		X												
v. Iron, Total (7439-89-6)	X		0.26	2.17						PPM	#/MG			
w. Magnesium Total (7439-96-4)		X												
x. Molybdenum Total (7439-98-7)		X												
y. Manganese, Total (7439-96-6)	X		0.20	1.67						PPM	#/MG			
z. Tin, Total (7440-31-5)		X												
aa. Titanium, Total (7440-32-6)		X												

**Part C** – If you are a primary industry and this outfall contains process wastewater, refer to Table C-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in the **Testing Required** column for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark this column (secondary industries, nonprocess wastewater outfalls, and non-required GC/MS fractions), mark "X" in the **Believed Present** column for each pollutant you know or have reason to believe is present. Mark "X" in the **Believed Absent** column for each pollutant you believe to be absent. If you mark either the **Testing Required** or **Believed Present** columns for any pollutant, you must provide the result of at least one analysis for that pollutant. Note that there are seven pages to this part; please review each carefully. Complete one table (all seven pages) for each outfall. See instructions for additional details and requirements.

one table (all seven pages) for each outlet. See instructions for additional details and requirements.																
1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses	
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)		
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass		
METALS, CYANIDE AND TOTAL PHENOLS																
1M. Antimony Total (7440-36-0)			X													
2M. Arsenic, Total (7440-38-2)			X													
3M. Beryllium Total (7440-41-7)			X													
4M. Cadmium Total (7440-43-9)			X													
5M. Chromium Total (7440-43-9)			X													
6M. Copper Total (7550-50-8)			X													
7M. Lead Total (7439-92-1)			X													
8M. Mercury Total (7439-97-6)			X													
9M. Nickel, Total (7440-02-0)			X													
10M. Selenium, Total (7782-49-2)			X													
11M. Silver, Total (7440-28-0)			X													

**Part C – Continued**

1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses	
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)		
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass		
METALS, CYANIDE AND TOTAL PHENOLS (Continued)																
12M. Thallium, Total (7440-28-0)			X													
13M. Zinc, Total (7440-66-6)			X													
14M. Cyanide, Total (57-12-5)			X													
15M. Phenols, Total			X													
DIOXIN																
2,3,7,8 Tetra- chlorodibenzo, P, Dioxin (1784-01-6)			X	DESCRIBE RESULTS:												
GC/MS FRACTION - VOLATILE COMPOUNDS																
1V. Acrolein (107-02-8)			X													
2V. Acrylonitrile (107-13-1)			X													
3V. Benzene (71-43-2)			X													
5V. Bromoform (75-25-2)			X													
6V. Carbon Tetrachloride (56-23-5)			X													
7V. Chloro- benzene (108-90-7)			X													
8V. Chlorodibromomethane (124-48-1)			X													

Part C -- Continued															
1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	
9V. Chloroethane (74-00-3)			X												
10V. 2-Chloro- ethylvinyl Ether (110-75-8)			X												
11V. Chloroform (67-66-3)			X												
12V. Dichloro- bromomethane (75-71-8)			X												
14V. 1,1- Dichloroethane (75-34-3)			X												
15V. 1,2- Dichloroethane (107-06-2)			X												
16V. 1,1- Dichlorethylene (75-35-4)			X												
17V. 1,2-Di- chloropropane (78-87-5)			X												
18V. 1,3- Dichloropro- pylene (452-75-6)			X												
19V. Ethyl- benzene (100-41-4)			X												
20V. Methyl Bromide (74-83-9)			X												

Part C – Continued															
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No. of Analyses
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	
21V. Methyl Chloride (74-87-3)			X												
22V. Methylene Chloride (75-00-2)			X												
23V. 1,1,2,2- Tetrachloro- ethane (79-34-5)			X												
24V. Tetrachloro- ethylene (127-18-4)			X												
25V. Toluene (108-88-3)			X												
26V. 1,2-Trans- Dichloro- ethylene (156-60-5)			X												
27V. 1,1,1-Trichloroethane (71-55-6)			X												
28V. 1,1,2-Trichloroethane (79-00-5)			X												
29V. Trichloro- ethylene (79-01-6)			X												
30V. Vinyl Chloride (75-01-4)			X												

Part C - Continued																
1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses	
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass		
GC/MS FRACTION - ACID COMPOUNDS																
1A. 2-Chloro-phenol (95-57-8)			X													
2A. 2,4-Dichloro-phenol (120-83-2)			X													
3A. 2,4-Dimethylphenol (105-67-9)			X													
4A. 4,6-Dinitro-o-cresol (534-52-1)			X													
5A. 2,4-Dinitrophenol (51-28-5)			X													
6A. 2-Nitrophenol (88-75-5)			X													
7A. 4-Nitrophenol (100-02-7)			X													
8A. P-chloro-m-cresol (59-50-7)			X													
9A. Pentachloro-phenol (87-88-5)			X													
10A. Phenol (108-05-2)			X													
11A. 2,4,6-Trichlorophenol (88-06-2)			X													
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS																
1B. Acenaphthene (83-32-9)			X													

Part C – Continued																
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT							4. UNITS		5. INTAKE (optional)			
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses	
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)		
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass		
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)																
2B. Acena- phtylene (208-96-8)			X													
3B. Anthra- cene (120-12-7)			X													
4B. Benzidine (92-87-5)			X													
5B. Benzo(a)- anthracene (56-55-3)			X													
6B. Benzo(a)- pyrene (50-32-8)			X													
7B. 3,4-Benzo- fluoranthene (205-99-2)			X													
8B. Benzo(ghi) perylene (191-24-2)			X													
9B. Benzo(k)- fluoranthene (207-08-9)			X													
10B. Bis(2- chlor- oethoxy)- methane (111-91-1)			X													
11B. Bis (2-chlor- oisopropyl)- Ether			X													
12B. Bis (2-ethyl- hexyl)- phthalate (117-81-7)			X													

Part C – Continued																
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a.		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a.		b. No. of Analyses	
				Maximum Daily Value									Long-Term Avg Value			
				(1) Concentration	(2) Mass	(1)	(2)	(1)	(2)				(1)	(2)	(1)	(2)
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)																
13B. 4-Bromo-phenyl Phenyl ether (101-55-3)			X													
14B. Butyl-benzyl phthalate (85-68-7)			X													
15B. 2-Chloro-naphthalene (7005-72-3)			X													
16B. 4-Chloro-phenyl phenyl ether (7005-72-3)			X													
17B. Chrysene (218-01-9)			X													
18B. Dibenzo-(a,h) Anthracene (53-70-3)			X													
19B. 1,2-Dichloro-benzene (95-50-1)			X													
20B. 1,3-Dichloro-Benzene (541-73-1)			X													
21B. 1,4-Dichloro-benzene (106-46-7)			X													
22B. 3,3-Dichloro-benzidene (91-94-1)			X													
23B. Diethyl Phthalate (84-66-2)			X													

Part C – Continued															
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No. of Analyses
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)															
24B. Dimethyl Phthalate (131-11-3)			X												
25B. Di-N- butyl Phthalate (84-74-2)			X												
26B. 2,4-Dinitro- toluene (121-14-2)			X												
27B. 2,6-Dinitro- toluene (606-20-2)			X												
28B. Di-n-octyl Phthalate (117-84-0)			X												
29B. 1,2- diphenyl- hydrazine (as azonbenzene) (122-66-7)			X												
30B. Fluoranthene (208-44-0)			X												
31B. Fluorene (86-73-7)			X												
32B. Hexachloro- benzene (118-71-1)			X												
33B. Hexachloro- butadiene (87-68-3)			X												
34B. Hexachloro- cyclopenta- diene (77-47-4)			X												

Part C – Continued															
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)															
35B. Hexachloroethane (67-72-1)			X												
36B. Indeno-(1,2,3-oc)-Pyrene (193-39-5)			X												
37B. Isophorone (78-59-1)			X												
38B. Napthalene (91-20-3)			X												
39B. Nitrobenzene (98-95-3)			X												
40B. N-Nitrosodimethylamine (62-75-9)			X												
41B. N-nitrosodi-n-propylamine (621-64-7)			X												
42B. N-nitrosodiphenylamine (86-30-6)			X												
43B. Phenanthrene (85-01-8)			X												
44B. Pyrene (129-00-0)			X												
45B. 1,2,4 Trichlorobenzene (120-82-1)			X												

Part C -- Continued																
1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a.		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No. of Analyses	
				Maximum Daily Value												
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass		
GC/MS FRACTION – PESTICIDES																
1P. Aldrin (309-00-2)			X													
2P. α-BHC (319-84-6)			X													
3P. β-BHC (58-89-9)			X													
4P. gamma-BHC (58-89-9)			X													
5P. δ-BHC (319-86-8)			X													
6P. Chlordane (57-74-9)			X													
7P. 4,4'-DDT (50-29-3)			X													
8P. 4,4'-DDE (72-55-9)			X													
9P. 4,4'-DDD (72-54-8)			X													
10P. Dieldrin (60-57-1)			X													
11P. α- Endosulfan (115-29-7)			X													
12P. β- Endosulfan (115-29-7)			X													
13P. Endosulfan Sulfate (1031-07-8)			X													
14P. Endrin (72-20-8)			X													

Part C – Continued															
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	
GC/MS FRACTION – PESTICIDES															
15P. Endrin Aldehyde (7421-93-4)			X												
16P. Heptachlor (76-44-8)			X												
17P. Heptachlor Epoxide (1024-57-3)			X												
18P. PCB-1242 (53469-21-9)			X												
19P. PCB-1254 (11097-69-1)			X												
20P. PCB-1221 (11104-28-2)			X												
21P. PCB-1232 (11141-16-5)			X												
22P. PCB-1248 (12672-29-6)			X												
23P. PCB-1260 (11096-82-5)			X												
24P. PCB-1016 (12674-11-2)			X												
25P. Toxaphene (8001-35-2)			X												

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. (See instructions)

V. INTAKE AND EFFLUENT CHARACTERISTICS (Continued from page 3 of Form C)										OUTFALL NO. 7		
Part A – You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.												
1. POLLUTANT	2. EFFLUENT						3. UNITS (specify if blank)		4. INTAKE (optional)			
	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No of Analyses
	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
a. Biochemical Oxygen Demand (BOD)												
b. Chemical Oxygen Demand (COD)												
c. Total Organic Carbon (TOC)												
d. Total Suspended Solids (TSS)	1	8.34	N/A	N/A	N/A		3	PPM	LBS/MG			
e. Ammonia (as N)												
f. Flow (in units of MGD)	VALUE 0.002		VALUE N/A		VALUE N/A			MGD		VALUE		
g. Temperature (winter)	VALUE 34 ° F		VALUE N/A		VALUE			°c		VALUE		
h. Temperature (summer)	VALUE 73 ° F		VALUE N/A		VALUE			°c		VALUE		
i. pH	MINIMUM 7.5	MAXIMUM 8.0	MINIMUM	MAXIMUM				STANDARD UNITS				

Part B - In the MARK "X" column, place an "X" in the Believed Present column for each pollutant you know or have reason to believe is present. Place an "X" in the Believed Absent column for each pollutant you believe to be absent. If you mark the Believed Present column for any pollutant, you must provide the results of at least one analysis for that pollutant. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO.  (if available)	2. MARK "X"		3. EFFLUENT							4. UNITS		6. INTAKE (optional)		
	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
			(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
a. Bromide (24959-67-9)		X												
b. Bromine Total Residual		X												
c. Chloride		X												
d. Chlorine, Total Residual		X												
e. Color		X												
f. Fecal Coliform		X												
g. Fluoride (16984-48-8)		X												
h. Hardness (as CaCO <sub>3</sub> )	X		504	4208						PPM	#/MG			
i. Nitrate – Nitrite (as N)		X												
j. Nitrogen, Total Organic (as N)		X												
k. Oil and Grease		X												
l. Phosphorous (as P), Total 7723-14-0		X												
m. Radioactivity														
(1) Alpha, Total		X												
(2) Beta, Total		X												
(3) Radium Total		X												
(4) Radium, 226, Total		X												

Part B - Continued														
1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"		3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Believed Present	b. Believed Absent	a.		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a.		b. No. of Analyses
			Maximum Daily Value		Value (if available)		Value (if available)					Long-Term Avg. Value		
			(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
n. Sulfate (as SO <sub>4</sub> ) (14808-79-8)	X		720	6012						PPM	#/MG			
o. Sulfide (as S)		X												
p. Sulfite (as SO <sub>3</sub> ) (14286-46-3)		X												
q. Surfactants		X												
r. Aluminum, Total (7429-90)		X												
s. Barium, Total (7440-39-3)		X												
t. Boron, Total (7440-42-8)		X												
u. Cobalt, Total (7440-48-4)		X												
v. Iron, Total (7439-89-6)	X		0.21	1.76						PPM	#/MG			
w. Magnesium Total (7439-96-4)		X												
x. Molybdenum Total (7439-98-7)		X												
y. Manganese, Total (7439-96-6)	X		0.17	1.39						PPM	#/MG			
z. Tin, Total (7440-31-5)		X												
aa. Titanium, Total (7440-32-6)		X												

**Part C** – If you are a primary industry and this outfall contains process wastewater, refer to Table C-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark “X” in the Testing Required column for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark this column (secondary industries, nonprocess wastewater outfalls, and non-required GC/MS fractions), mark “X” in the Believed Present column for each pollutant you know or have reason to believe is present. Mark “X” in the Believed Absent column for each pollutant you believe to be absent. If you mark either the Testing Required or Believed Present columns for any pollutant, you must provide the result of at least one analysis for that pollutant. Note that there are seven pages to this part; please review each carefully. Complete one table (all seven pages) for each outfall. See instructions for additional details and requirements.

one table (all seven pages) for each outfall. See instructions for additional details and requirements.																
1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses	
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)		
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass		
METALS, CYANIDE AND TOTAL PHENOLS																
1M. Antimony Total (7440-36-0)			X													
2M. Arsenic, Total (7440-38-2)			X													
3M. Beryllium Total (7440-41-7)			X													
4M. Cadmium Total (7440-43-9)			X													
5M. Chromium Total (7440-43-9)			X													
6M. Copper Total (7550-50-8)			X													
7M. Lead Total (7439-92-1)			X													
8M. Mercury Total (7439-97-6)			X													
9M. Nickel, Total (7440-02-0)			X													
10M. Selenium, Total (7782-49-2)			X													
11M. Silver, Total (7440-28-0)			X													

**Part C – Continued**

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses	
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)		
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass		
METALS, CYANIDE AND TOTAL PHENOLS (Continued)																
12M. Thallium, Total (7440-28-0)			X													
13M. Zinc, Total (7440-66-6)			X													
14M. Cyanide, Total (57-12-5)			X													
15M. Phenols, Total			X													
DIOXIN																
2,3,7,8 Tetra- chlorodibenzo, P, Dioxin (1784-01-6)			X	DESCRIBE RESULTS:												
GC/MS FRACTION – VOLATILE COMPOUNDS																
1V. Acrolein (107-02-8)			X													
2V. Acrylonitrile (107-13-1)			X													
3V. Benzene (71-43-2)			X													
5V. Bromoform (75-25-2)			X													
6V. Carbon Tetrachloride (56-23-5)			X													
7V. Chloro- benzene (108-90-7)			X													
8V. Chlorodibromomethane (124-48-1)			X													

Part C – Continued														
1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)	
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value	b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass
9V. Chloroethane (74-00-3)			X											
10V. 2-Chloro- ethylvinyl Ether (110-75-8)			X											
11V. Chloroform (67-66-3)			X											
12V. Dichloro- bromomethane (75-71-8)			X											
14V. 1,1- Dichloroethane (75-34-3)			X											
15V. 1,2- Dichloroethane (107-06-2)			X											
16V. 1,1- Dichlorethylene (75-35-4)			X											
17V. 1,2-Di- chloropropane (78-87-5)			X											
18V. 1,3- Dichloropro- pylene (452-75-6)			X											
19V. Ethyl- benzene (100-41-4)			X											
20V. Methyl Bromide (74-83-9)			X											

Part C - Continued

1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No. of Analyses	
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)		
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass		
21V. Methyl Chloride (74-87-3)			X													
22V. Methylene Chloride (75-00-2)			X													
23V. 1,1,2,2- Tetrachloro- ethane (79-34-5)			X													
24V. Tetrachloro- ethylene (127-18-4)			X													
25V. Toluene (108-88-3)			X													
26V. 1,2-Trans- Dichloro- ethylene (156-60-5)			X													
27V. 1,1,1,1-Tri- chloroethane (71-55-6)			X													
28V. 1,1,2-Tri- chloroethane (79-00-5)			X													
29V. Trichloro- ethylene (79-01-6)			X													
30V. Vinyl Chloride (75-01-4)			X													

Part C – Continued																
1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses	
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)		
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass		
GC/MS FRACTION – ACID COMPOUNDS																
1A. 2-Chloro-phenol (95-57-8)			X													
2A. 2,4-Dichlor-Orophenol (120-83-2)			X													
3A. 2,4-Dimeth-ylphenol (105-67-9)			X													
4A. 4,6-Dinitro-o-cresol (534-52-1)			X													
5A. 2,4-Dinitro-phenol (51-28-5)			X													
6A. 2-Nitro-phenol (88-75-5)			X													
7A. 4-Nitro-phenol (100-02-7)			X													
8A. P-chloro-m-cresol (59-50-7)			X													
9A. Pentachloro-phenol (87-88-5)			X													
10A. Phenol (108-05-2)			X													
11A. 2,4,6-Tri-chlorophenol (88-06-2)			X													
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS																
1B. Acena-phthene (83-32-9)			X													

Part C – Continued															
1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)															
2B. Acena- phtylene (208-96-8)			X												
3B. Anthra- cene (120-12-7)			X												
4B. Benzidine (92-87-5)			X												
5B. Benzo(a)- anthracene (56-55-3)			X												
6B. Benzo(a)- pyrene (50-32-8)			X												
7B. 3,4-Benzo- fluoranthene (205-99-2)			X												
8B. Benzo(ghi) perylene (191-24-2)			X												
9B. Benzo(k)- fluoranthene (207-08-9)			X												
10B. Bis(2- chlor- oethoxy)- methane (111-91-1)			X												
11B. Bis (2-chlor- oisopropyl)- Ether			X												
12B. Bis (2-ethyl- hexyl)- phthalate (117-81-7)			X												

## Part C – Continued

Part C – Continued															
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)															
3B. 4-Bromo-phenyl ether (101-55-3)			X												
4B. Butyl-phenyl phthalate (85-68-7)			X												
5B. 2-Chloro-naphthalene (7005-72-3)			X												
6B. 4-Chloro-phenyl ether (7005-72-3)			X												
7B. Chrysene (218-01-9)			X												
8B. Dibenzo-(a,h) Anthracene (53-70-3)			X												
9B. 1,2-Dichloro-benzene (95-50-1)			X												
10B. 1,3-Dichloro-Benzene (541-73-1)			X												
11B. 1,4-Dichloro-benzene (106-46-7)			X												
12B. 3,3-Dichloro-benzidene (91-94-1)			X												
13B. Diethyl Phthalate (84-66-2)			X												

Part C – Continued															
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No. of Analyses
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)															
24B. Dimethyl Phthalate (131-11-3)			X												
25B. Di-N- butyl Phthalate (84-74-2)			X												
26B. 2,4-Dinitro- toluene (121-14-2)			X												
27B. 2,6-Dinitro- toluene (606-20-2)			X												
28B. Di-n-octyl Phthalate (117-84-0)			X												
29B. 1,2- diphenyl- hydrazine (as azonbenzene) (122-66-7)			X												
30B. Fluoranthene (208-44-0)			X												
31B. Fluorene (86-73-7)			X												
32B. Hexachloro- benzene (118-71-1)			X												
33B. Hexachloro- butadiene (87-68-3)			X												
34B. Hexachloro- cyclopenta- diene (77-47-4)			X												

Part C – Continued															
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)															
35B. Hexachloroethane (67-72-1)			X												
36B. Indneo-(1,2,3-oc)-Pyrene (193-39-5)			X												
37B. Isophorone (78-59-1)			X												
38B. Napthalene (91-20-3)			X												
39B. Nitrobenzene (98-95-3)			X												
40B. N-Nitroso-dimethylamine (62-75-9)			X												
41B. N-nitrosodi-n-propylamine (621-64-7)			X												
42B. N-nitrosodiphenylamine (86-30-6)			X												
43B. Phenanthrene (85-01-8)			X												
44B. Pyrene (129-00-0)			X												
45B. 1,2,4 Trichlorobenzene (120-82-1)			X												

Part C – Continued															
1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No. of Analyses
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	
GC/MS FRACTION – PESTICIDES															
1P. Aldrin (309-00-2)			X												
2P. α-BHC (319-84-6)			X												
3P. β-BHC (58-89-9)			X												
4P. gamma-BHC (58-89-9)			X												
5P. δ-BHC (319-86-8)			X												
6P. Chlordane (57-74-9)			X												
7P. 4,4'-DDT (50-29-3)			X												
8P. 4,4'-DDE (72-55-9)			X												
9P. 4,4'-DDD (72-54-8)			X												
10P. Dieldrin (60-57-1)			X												
11P. α- Endosulfan (115-29-7)			X												
12P. β- Endosulfan (115-29-7)			X												
13P. Endosulfan Sulfate (1031-07-8)			X												
14P. Endrin (72-20-8)			X												

Part C – Continued															
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	Concentration
GC/MS FRACTION – PESTICIDES															
15P. Endrin Aldehyde (7421-93-4)			X												
16P. Heptachlor (76-44-8)			X												
17P. Heptaclor Epoxide (1024-57-3)			X												
18P. PCB-1242 (53469-21-9)			X												
19P. PCB-1254 (11097-69-1)			X												
20P. PCB-1221 (11104-28-2)			X												
21P. PCB-1232 (11141-16-5)			X												
22P. PCB-1248 (12672-29-6)			X												
23P. PCB-1260 (11096-82-5)			X												
24P. PCB-1016 (12674-11-2)			X												
25P. Toxaphene (8001-35-2)			X												

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. (See instructions)

V. INTAKE AND EFFLUENT CHARACTERISTICS (Continued from page 3 of Form C)											OUTFALL NO. 242	
Part A – You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.												
1. POLLUTANT	2. EFFLUENT							3. UNITS (specify if blank)		4. INTAKE (optional)		
	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No of Analyses
	(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
	Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	
a. Biochemical Oxygen Demand (BOD)												
b. Chemical Oxygen Demand (COD)												
c. Total Organic Carbon (TOC)												
d. Total Suspended Solids (TSS)	1	8.34	N/A	N/A	N/A	N/A	3	PPM	LBS/MG			
e. Ammonia (as N)												
f. Flow (in units of MGD)	VALUE	0.03	VALUE	N/A	VALUE	N/A			MGD	VALUE		
g. Temperature (winter)	VALUE	34 ° F	VALUE		VALUE				°c	VALUE		
h. Temperature (summer)	VALUE	73 ° F	VALUE		VALUE				°c	VALUE		
i. pH	MINIMUM 8.3	MAXIMUM 8.3	MINIMUM	MAXIMUM					STANDARD UNITS			

Part B - In the MARK "X" column, place an "X" in the Believed Present column for each pollutant you know or have reason to believe is present. Place an "X" in the Believed Absent column for each pollutant you believe to be absent. If you mark the Believed Present column for any pollutant, you must provide the results of at least one analysis for that pollutant. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO.  (if available)	2. MARK "X"		3. EFFLUENT						4. UNITS		6. INTAKE (optional)			
	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
			(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
a. Bromide (24959-67-9)		X												
b. Bromine Total Residual		X												
c. Chloride		X												
d. Chlorine, Total Residual		X												
e. Color		X												
f. Fecal Coliform		X												
g. Fluoride (16984-48-8)		X												
h. Hardness (as CaCO <sub>3</sub> )	X		200	1670						PPM	#/MG			
i. Nitrate – Nitrite (as N)		X												
j. Nitrogen, Total Organic (as N)		X												
k. Oil and Grease		X												
l. Phosphorous (as P), Total 7723-14-0		X												
m. Radioactivity														
(1) Alpha, Total		X												
(2) Beta, Total		X												
(3) Radium Total		X												
(4) Radium, 226, Total		X												

Part B - Continued														
1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"		3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No. of Analyses
			(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
n. Sulfate (as SO <sub>4</sub> ) (14808-79-8)	X		224	1870						PPM	#/MG			
o. Sulfide (as S)		X												
p. Sulfite (as SO <sub>3</sub> ) (14286-46-3)		X												
q. Surfactants		X												
r. Aluminum, Total (7429-90)		X												
s. Barium, Total (7440-39-3)		X												
t. Boron, Total (7440-42-8)		X												
u. Cobalt, Total (7440-48-4)		X												
v. Iron, Total (7439-89-6)	X		0.46	3.84						PPM	#/MG			
w. Magnesium Total (7439-96-4)		X												
x. Molybdenum Total (7439-98-7)		X												
y. Manganese, Total (7439-96-6)	X		0.34	2.50						PPM	#/MG			
z. Tin, Total (7440-31-5)		X												
aa. Titanium, Total (7440-32-6)		X												

**Part C** – If you are a primary industry and this outfall contains process wastewater, refer to Table C-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark “X” in the **Testing Required** column for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark this column (secondary industries, nonprocess wastewater outfalls, and non-required GC/MS fractions), mark “X” in the **Believed Present** column for each pollutant you know or have reason to believe is present. Mark “X” in the **Believed Absent** column for each pollutant you believe to be absent. If you mark either the **Testing Required** or **Believed Present** columns for any pollutant, you must provide the result of at least one analysis for that pollutant. Note that there are seven pages to this part; please review each carefully. Complete one table (all seven pages) for each outfall. See instructions for additional details and requirements.

one table (all seven pages) for each outlet. See instructions for additional details and requirements.																
1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)			
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses	
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)		
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass		
METALS, CYANIDE AND TOTAL PHENOLS																
1M. Antimony Total (7440-36-0)			X													
2M. Arsenic, Total (7440-38-2)			X													
3M. Beryllium Total (7440-41-7)			X													
4M. Cadmium Total (7440-43-9)			X													
5M. Chromium Total (7440-43-9)			X													
6M. Copper Total (7550-50-8)			X													
7M. Lead Total (7439-92-1)			X													
8M. Mercury Total (7439-97-6)			X													
9M. Nickel, Total (7440-02-0)			X													
10M. Selenium, Total (7782-49-2)			X													
11M. Silver, Total (7440-28-0)			X													

Part C – Continued																	
1. POLLUTANT and CAS NO. (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)			
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses		
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)			
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass			
METALS, CYANIDE AND TOTAL PHENOLS (Continued)																	
M. Thallium, Total (7440-28-0)			X														
M. Zinc, Total (7440-66-6)			X														
M. Cyanide, Total (57-12-5)			X														
M. Phenols, Total			X														
OXIN																	
2,7,8 Tetra- chlorodibenzo, Dioxin (1784-01-6)			X	DESCRIBE RESULTS:													
G/MS FRACTION – VOLATILE COMPOUNDS																	
Acrolein (107-02-8)			X														
Acrylonitrile (107-13-1)			X														
Benzene (71-43-2)			X														
Bromoform (75-25-2)			X														
Carbon tetrachloride (76-18-2)			X														
Chloro- benzene (70-83-7)			X														
1,1,1-trichloro-2,2,2-trifluoroethane (114-73-5)			X														

Part C – Continued															
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	
9V. Chloroethane (74-00-3)			X												
10V. 2-Chloro- ethylvinyl Ether (110-75-8)			X												
11V. Chloroform (67-66-3)			X												
12V. Dichloro- bromomethane (75-71-8)			X												
14V. 1,1- Dichloroethane (75-34-3)			X												
15V. 1,2- Dichloroethane (107-06-2)			X												
16V. 1,1- Dichlorethylene (75-35-4)			X												
17V. 1,2-Di- chloropropane (78-87-5)			X												
18V. 1,3- Dichloropro- pylene (452-75-6)			X												
19V. Ethyl- benzene (100-41-4)			X												
20V. Methyl Bromide (74-83-9)			X												

## Part C – Continued

1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
21V. Methyl Chloride (74-87-3)			X												
22V. Methylene Chloride (75-00-2)			X												
23V. 1,1,2,2- Tetrachloro- ethane (79-34-5)			X												
24V. Tetrachloro- ethylene (127-18-4)			X												
25V. Toluene (108-88-3)			X												
26V. 1,2-Trans- Dichloro- ethylene (156-60-5)			X												
27V. 1,1,1-Trichloroethane (71-55-6)			X												
28V. 1,1,2-Trichloroethane (79-00-5)			X												
29V. Trichloro- ethylene (79-01-6)			X												
30V. Vinyl Chloride (75-01-4)			X												

Part C – Continued																
1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses	
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)		
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass		
GC/MS FRACTION – ACID COMPOUNDS																
1A. 2-Chloro-phenol (95-57-8)			X													
2A. 2,4-Dichlor-Orophenol (120-83-2)			X													
3A. 2,4-Dimeth-ylphenol (105-67-9)			X													
4A. 4,6-Dinitro-o-cresol (534-52-1)			X													
5A. 2,4-Dinitro-phenol (51-28-5)			X													
6A. 2-Nitro-phenol (88-75-5)			X													
7A. 4-Nitro-phenol (100-02-7)			X													
8A. P-chloro-m-cresol (59-50-7)			X													
9A. Pentachloro-phenol (87-88-5)			X													
10A. Phenol (108-05-2)			X													
11A. 2,4,6-Tri-chlorophenol (88-06-2)			X													
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS																
1B. Acena-phthene (83-32-9)			X													

Part C – Continued																
1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses	
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)		
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass		
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)																
2B. Acena- phtylene (208-96-8)			X													
3B. Anthra- cene (120-12-7)			X													
4B. Benzidine (92-87-5)			X													
5B. Benzo(a)- anthracene (56-55-3)			X													
6B. Benzo(a)- pyrene (50-32-8)			X													
7B. 3,4-Benzo- fluoranthene (205-99-2)			X													
8B. Benzo(ghi) perylene (191-24-2)			X													
9B. Benzo(k)- fluoranthene (207-08-9)			X													
10B. Bis(2- chlor- oethoxy)- methane (111-91-1)			X													
11B. Bis (2-chlor- oisopropyl)- Ether			X													
12B. Bis (2-ethyl- hexyl)- phthalate (117-81-7)			X													

Part C -- Continued																
1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses	
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)		
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass		
GC/MS FRACTION -- BASE/NEUTRAL COMPOUNDS (Continued)																
13B. 4-Bromo-phenyl Phenyl ether (101-55-3)			X													
14B. Butyl-benzyl phthalate (85-68-7)			X													
15B. 2-Chloro-naphthalene (7005-72-3)			X													
16B. 4-Chloro-phenyl phenyl ether (7005-72-3)			X													
17B. Chrysene (218-01-9)			X													
18B. Dibenzo-(a,h) Anthracene (53-70-3)			X													
19B. 1,2-Dichloro-benzene (95-50-1)			X													
20B. 1,3-Dichloro-Benzene (541-73-1)			X													
21B. 1,4-Dichloro-benzene (106-46-7)			X													
22B. 3,3-Dichloro-benzidene (91-94-1)			X													
23B. Diethyl Phthalate (84-66-2)			X													

Part C – Continued															
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No. of Analyses
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)															
24B. Dimethyl Phthalate (131-11-3)			X												
25B. Di-N- butyl Phthalate (84-74-2)			X												
26B. 2,4-Dinitro- toluene (121-14-2)			X												
27B. 2,6-Dinitro- toluene (606-20-2)			X												
28B. Di-n-octyl Phthalate (117-84-0)			X												
29B. 1,2- diphenyl- hydrazine (as azonbenzene) (122-66-7)			X												
30B. Fluoranthene (208-44-0)			X												
31B. Fluorene (86-73-7)			X												
32B. Hexachloro- benzene (118-71-1)			X												
33B. Hexachloro- butadiene (87-68-3)			X												
34B. Hexachloro- cyclopenta- diene (77-47-4)			X												

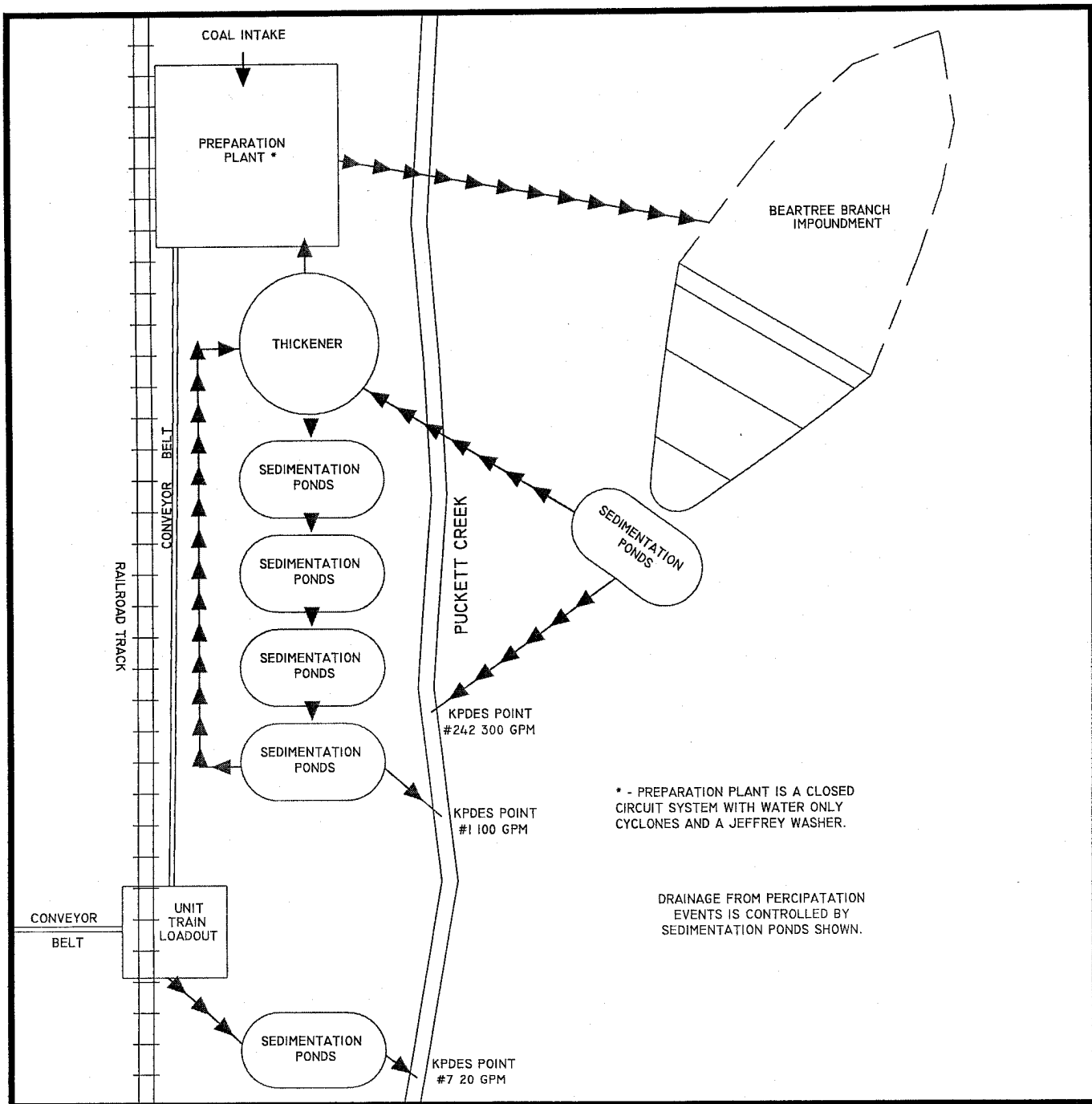
Part C – Continued																
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses	
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)		
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass		
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)																
35B. Hexachloroethane (67-72-1)			X													
36B. Indneo-(1,2,3-oc)-Pyrene (193-39-5)			X													
37B. Isophorone (78-59-1)			X													
38B. Napthalene (91-20-3)			X													
39B. Nitrobenzene (98-95-3)			X													
40B. N-Nitrosodimethylamine (62-75-9)			X													
41B. N-nitrosodi-n-propylamine (621-64-7)			X													
42B. N-nitrosodiphenylamine (86-30-6)			X													
43B. Phenanthrene (85-01-8)			X													
44B. Pyrene (129-00-0)			X													
45B. 1,2,4 Trichlorobenzene (120-82-1)			X													

Part C - Continued

Part C – Continued																
1. POLLUTANT and CAS NO. (if available)	2. MARK “X”			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No. of Analyses	
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)		
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass		
C/MS FRACTION – PESTICIDES																
1. Aldrin (9-00-2)			X													
2. α-BHC (9-84-6)			X													
3. β-BHC (8-89-9)			X													
4. gamma-BHC (8-89-9)			X													
5. δ-BHC (9-86-8)			X													
6. Chlordane (7-74-9)			X													
7. 4,4'-DDT (0-29-3)			X													
8. 4,4'-DDE (2-55-9)			X													
9. 4,4'-DDD (2-54-8)			X													
10. P. Dieldrin (9-57-1)			X													
11. P. α- Endosulfan (15-29-7)			X													
12. P. β- Endosulfan (15-29-7)			X													
13. P. Endosulfan Sulfate (031-07-8)			X													
14. P. Endrin (2-20-8)			X													

Part C - Continued

Part C – Continued																
1. POLLUTANT and CAS NO. (if available)	2. MARK “X”			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses	
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)		
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass		
C/MS FRACTION – PESTICIDES																
P. Endrin dehydrate (121-93-4)			X													
P. Heptachlor (544-8)			X													
P. Heptachlor oxide (24-57-3)			X													
P. PCB-1242 (8469-21-9)			X													
P. PCB-1254 (097-69-1)			X													
P. PCB-1221 (104-28-2)			X													
P. PCB-1232 (141-16-5)			X													
P. PCB-1248 (672-29-6)			X													
P. PCB-1260 (096-82-5)			X													
P. PCB-1016 (674-11-2)			X													
P. Toxaphene (001-35-2)			X													



COMPANY:	MANALAPAN MINING COMPANY, INC.		ADDRESS:	P.O. BOX 311, BROOKSIDE, KY 40801	
COUNTY:	HARLAN	NEAREST STREAM:	PUCKETT CREEK	QUADRANGLE:	EWING
NPDES NO:	KY0024252	DSMRE NO:	848-8045	OTHER:	N/A
KPDES POINTS:	#1	#7	242		
NEW	<input type="checkbox"/>	REISSUANCE OF PERMIT	<input checked="" type="checkbox"/>	CONSTRUCTION	<input type="checkbox"/>

**CERTIFICATION**

*Michael A. Gambrel* 13270 01-07-08

hereby certify, in accordance with 405 KAR 7:040 Section 10, that this document is correct as determined by accepted engineering practices and includes all information required of it by KRS Chapter 350 and KAR Title 405.

**GAMBREL**  
13,270  
PROFESSIONAL ENGINEER

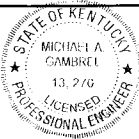
**MANALAPAN MINING COMPANY, INC.**  
P.O. BOX 311, BROOKSIDE, KY, 40801

FILE NAME: KPDES.DWG

DATE: 12/27/07

DRAWN BY: D. WILSON

CERTIFICATION  
*Michael A. Gambrell* 13320 1-07-08  
HEREBY CERTIFY, IN ACCORDANCE WITH KRS 19.010, SECTION 10, THAT  
THIS DOCUMENT IS CORRECT AS DETERMINED BY ACCEPTED ENGINEERING  
PRACTICES AND INCLUDES ALL INFORMATION REQUIRED OF IT BY KRS CHAPTER  
220 AND KRS TITLE 19.010.



LEGEND  
● KPDES DISCHARGE POINT  
— MANALAPAN MINING COMPANY, INC. PROPERTY  
— COAL PREPARATION PLANT  
◆ UNIT TRAIN LOADOUT

MANALAPAN MINING  
COMPANY, INC.  
RB DIVISION  
KPDES PERMIT KY0024252  
DSMRE PERMIT 848-8045  
KPDES POINTS #1, #7 & #242  
SCALE: 1" = 2000'

UNITED STATES  
TENNESSEE VALLEY AUTHORITY  
MAPPING SERVICES BRANCH  
4357 IV SW  
KATY FORD  
182 (Wallins Creek)

EWING QUADRANGLE  
KENTUCKY-VIRGINIA  
7.5 MINUTE SERIES (TOPOGRAPHIC) 161-NW

